NP-4000/5000 SERIES

PARTS CATALOG

REVISION 2 NOV. 1988

Canon
FY8-3160-020

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FIGURE A ASSEMBLY LOCATION DIAGRAM (1/2)
主要部品配置図 (1/2)

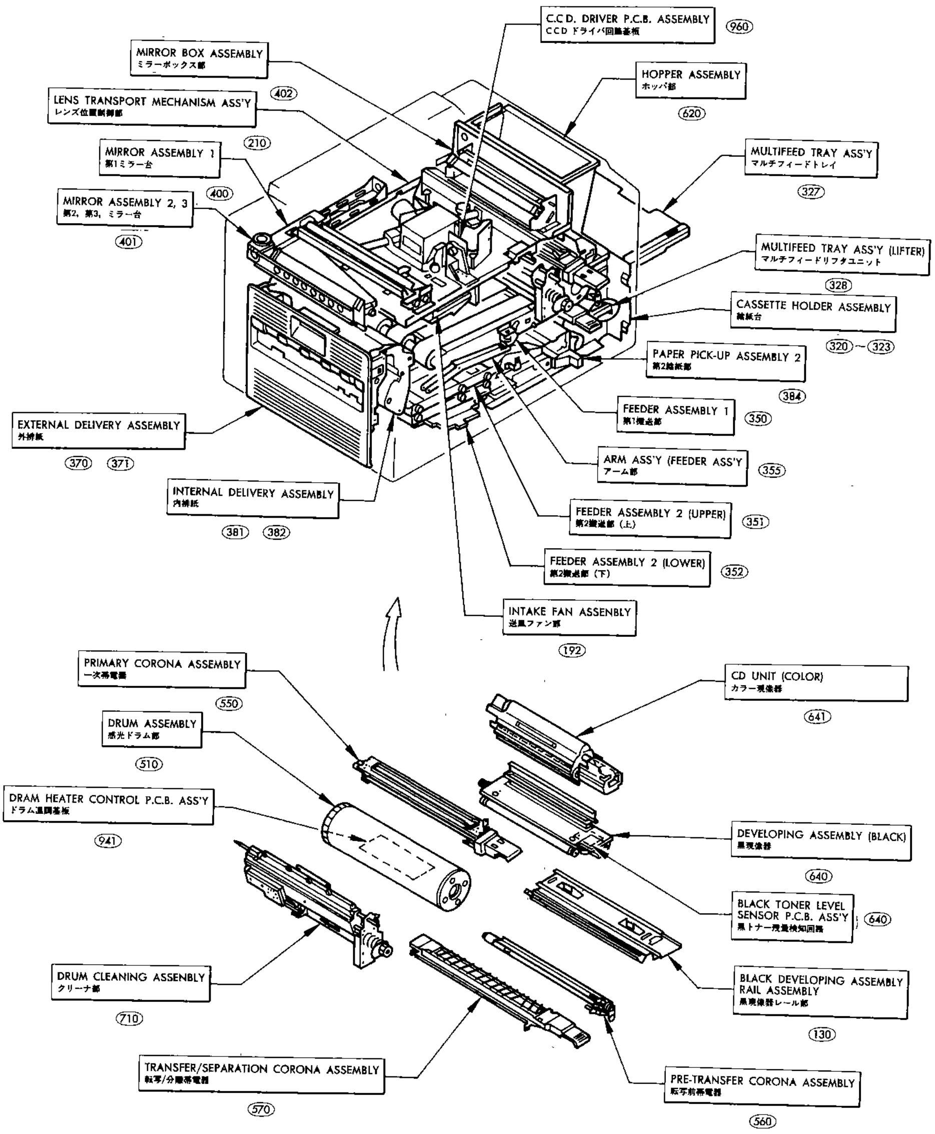
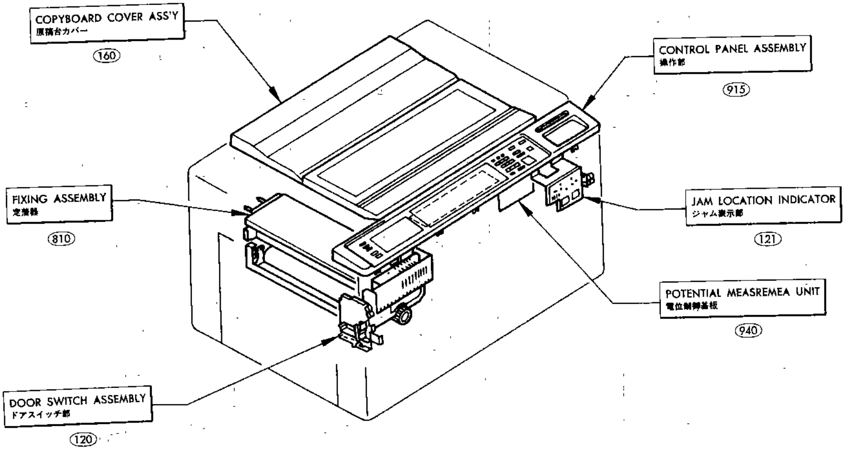

C.C D. DRIVER P.C.B. ASSEMBLY
CCD ドライバ回路基板
(960)
MIRROR BOX ASSEMBLY
ミラーボックス部
LENS TRANSPORT MECHANISM ASS'Y
レンズ位置制御部
(402)
HOPPER ASSEMBLY
ホッパ部
(620)
MIRROR ASSEMBLY 1
第1ミラー台
(210)
MULTIFEED TRAY ASS'Y
マルチフィードトレイ
(327)
MIRROR ASSEMBLY 2, 3
第2, 第3, ミラー台
(400)
(401)
MULTIFEED TRAY ASS'Y (LIFTER)
マルチフィードリフタユニット
(328)
CASSETTE HOLDER ASSEMBLY
給紙台
(320)～(323)
PAPER PICK-UP ASSEMBLY 2
第2給紙部
(384)
FEEDER ASSEMBLY 1
第1搬送部
(350)
EXTERNAL DELIVERY ASSEMBLY
外排紙
(370) (371)
ARM ASS'Y (FEEDER ASS'Y
アーム部
(355)
INTERNAL DELIVERY ASSEMBLY
内排紙
(381) (382)
FEEDER ASSEMBLY 2 (UPPER)
第2搬送部 (上)
(351)
FEEDER ASSEMBLY 2 (LOWER)
第2搬送部 (下)
(352)
INTAKE FAN ASSENBLY
送風ファン部
(192)
PRIMARY CORONA ASSEMBLY
一次帯電器
(550)
CD UNIT (COLOR)
カラー現像器
(641)
DRUM ASSEMBLY
感光ドラム部
(510)
DRAM HEATER CONTROL P.C.B. ASS'Y
ドラム温調基板
(941)
DEVELOPING ASSEMBLY (BLACK)
黒現像器
(640)
BLACK TONER LEVEL SENSOR P.C.B. ASS'Y
黒トナー残量検知回路
(640)
DRUM CLEANING ASSENBLY
クリーナ部
(710)
BLACK DEVELOPING ASSEMBLY RAIL ASSEMBLY
黒現像器レール部
(130)
TRANSFER/SEPARATION CORONA ASSEMBLY
転写/分離帯電器
(570)
PRE-TRANSFER CORONA ASSEMBLY
転写前帯電器
(560)

FIGURE A ASSEMBLY LOCATION DIAGRAM (2/2)
主要部品配置図 (2/2)


COPYBOARD COVER ASS'Y
原稿台カバー
(160)
CONTROL PANEL ASSEMBLY
操作部
(915)
FIXING ASSEMBLY
定着器
(810)
JAM LOCATION INDICATOR
ジャム表示部
(121)
POTENTIAL MEASREMEA UNIT
電位制御基板
(940)
DOOR SWITCH ASSEMBLY
ドアスイッチ部
(120)

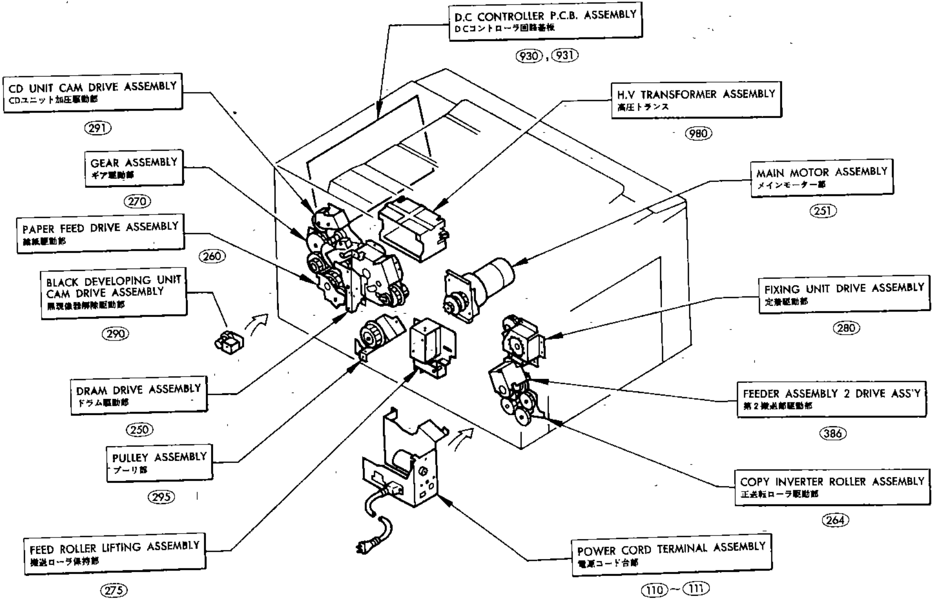

D.C CONTROLLER P.C.B. ASSEMBLY
DCコントローラ回路基板
(930), (931)
CD UNIT CAM DRIVE ASSEMBLY
CDユニット加圧駆動部
(291)
H.V TRANSFORMER ASSEMBLY
高圧トランス
(980)
GEAR ASSEMBLY
ギア駆動部
(270)
MAIN MOTOR ASSEMBLY
メインモーター部
(251)
PAPER FEED DRIVE ASSEMBLY
給紙駆動部
(260)
BLACK DEVELOPING UNIT CAM DRIVE ASSEMBLY
黒現像器解除駆動部
(290)
FIXING UNIT DRIVE ASSEMBLY
定着駆動部
(280)
DRAM DRIVE ASSEMBLY
ドラム駆動部
(250)
FEEDER ASSEMBLY 2 DRIVE ASS'Y
第2搬送部駆動部
(386)
PULLEY ASSEMBLY
プーリ部
(295)
COPY INVERTER ROLLER ASSEMBLY
正逆転ローラ駆動部
(264)
FEED ROLLER LIFTING ASSEMBLY
搬送ローラ保持部
(275)
POWER CORD TERMINAL ASSEMBLY
電源コード台部
(110)~(111)

FIGURE 001 PEDESTAL ペディスタル

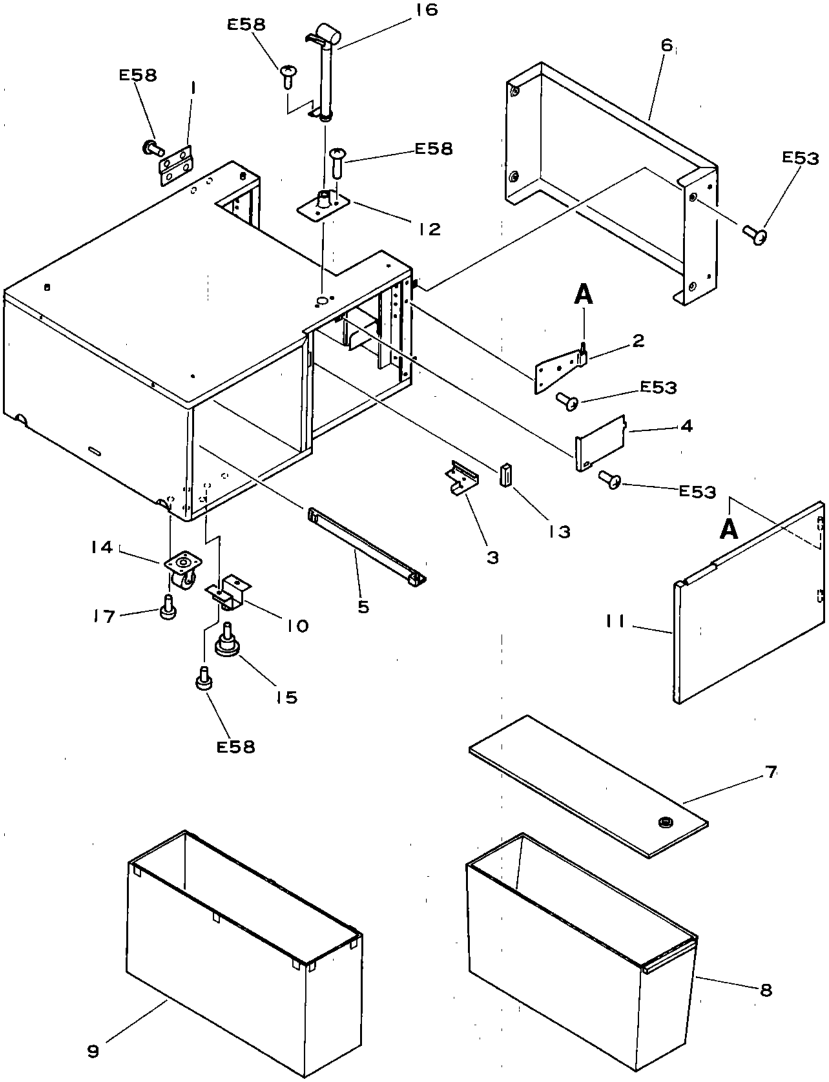

16
E58
6
E58
1
E58
E53
12
A
2
E53
4
E53
13
3
A
14
5
17
10
11
15
E58
7
8
9

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
001 –	NPN			PEDESTAL ペデイスタイル	
1	FA4–1494–000		1	PLATE, CONNECTOR レンケツバン	
2	FA4–1481–000		2	PLATE, HINGE ヒンジ イタ	
3	FA4–1482–000		1	STOP ストツパー	
4	FA4–1483–000		1	PLATE, COVER メカクシ イタ	
5	FA4–1484–000		4	PLATE, CASSETTE カセツト ウケ	
6	FA4–1487–000		1	COVER, RIGHT ミギ カバー	
7	FA4–1490–000	N	1	LID, WASTE TONER RELEPTACLE ハイトナー オケフタ	
8	FA4–1491–000	N	1	RECEPTACLE, WASTE TONER ハイトナー オケ	
9	FA4–1492–000		1	BAG, WASTE TONER シユウノウ ブクロ	
10	FA4–1493–000	N	2	MOUNT, FOOT アジ ヤスター バン	
11	FF1–6314–000		1	DOOR トビラ	
12	FF1–6315–000	N	1	GUIDE, TONER TUBE ハイトナー ガイド パイプ	
13	XZ9–0244–000	N	1	CATCH マグネツト キヤツチ	
14	XZ9–0162–000		4	CASTER キヤスタ (2)	
15	XZ9–0163–000		2	FOOT, HEIGHT–ADJUSTING アジ ヤスタ	
16	FF1–6298–000		1	TUBE, WASTE, TONER ハイトナー チユーブ	
17	FE9–0001–000		16	SCREW, M6X10 CT ネジ	

FIGURE 100 EXTERNAL COVERS, PANELS, ETC.
外装カバー，パネル

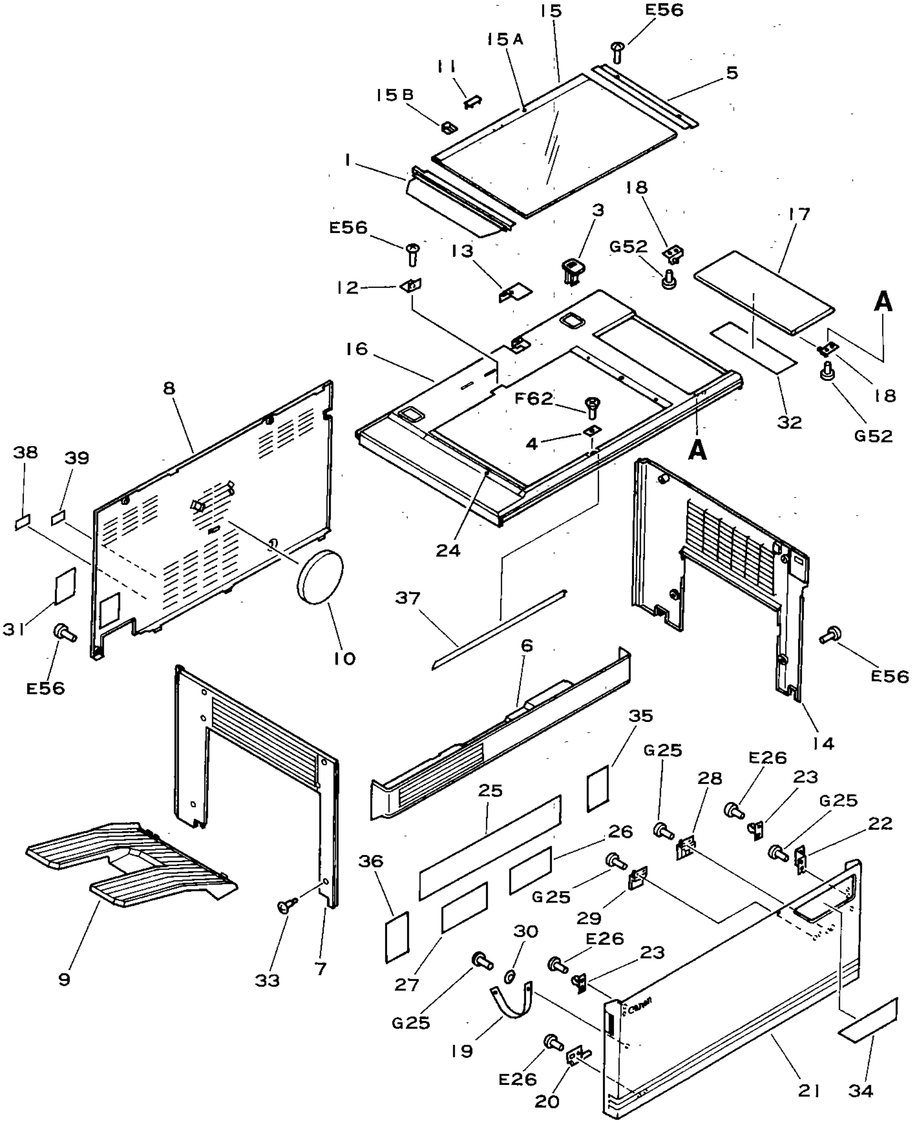

15
E56
15A
11
15B
5
1
18
3
17
E56
G52
13
12
A
16
18
G52
32
8
F62
G52
4
A
38
39
24
37
31
E56
10
6
E56
E56
35
14
G25
E26
23
28
25
G25
22
26
36
G25
29
30
E26
23
9
33
7
27
G25
19
E26
20
21
34

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
100 –	NPN		RF	EXTERNAL, COVERS, PANELS, ETC. ガイソウ カバー	
1	FA4–1151–000		1	PLATE, WHITE ヒヨウジ ユン ハク バン	
	FA4–6704–000		1	PLATE, WHITE ヒヨウジ ユン ハクバン	WITH RDF
3	FA3–9304–000		2	BUSHING アツバン ブ ツシユ	
4	FA3–9315–000		1	PLATE, COVER アナ フサギ (テンバン)	
5	FA3–9829–000		1	RETAINER, COPYBOARD GLASS ミギ ガラス オサエ	
	FA4–8130–000		1	RETAINER, COPYBOARD GLASS ミギ ガラス オサエ	WITH RDF
6	FA4–1014–000		1	PANEL, FRONT, UPPER マエ コテイ カバー	
7	FA4–1017–000		1	PANEL, LEFT ヒダリ カバー	
8	FA4–1018–000		1	PANEL, REAR ウシロ カバー	
9	FA4–1021–000		1	TRAY, COPY ハイシ トレー	
10	FA4–1070–000		1	FILTER, OZONE オゾン フイルタ	
11	FA4–1075–000		1	CAP ガラス トメ キヤツプ	
12	FA4–1103–000		1	PLATE, SUPPORT ガラス オサエ	
13	FA4–1126–000		1	COVER, CABLE RDF コネクタ アナカクシ	
14	FF1–6317–000		1	PANEL, RIGHT ミギ カバー	
15	FF1–6329–000		1	GLASS, COPYBOARD ゲンコウダイ ガラス	A,E,G,H
	FF1–6330–000		1	GLASS, COPYBOARD ゲンコウダイ ガラス	D,F
	FF1–6331–000		1	GLASS, COPYBOARD ゲンコウダイ ガラス	C
15A	FS2–8010–000		1	PLATE, INDEX, REAR 1 サイズ プレート 1 (ヨコ)	A,E,G,H
	FS2–8011–000		1	PLATE, INDEX, REAR 2 サイズ プレート 2 (ヨコ)	D,F
	FS2–8061–000		1	PLATE, INDEX, REAR 3 サイズ プレート 3 (ヨコ)	C
15B	FA2–8621–000		1	SPRING, LEAF アース バネ	
16	FA4–1013–020		1	COVER, TOP ウエ カバー	
17	FA4–1019–000		1	PANEL, UPPER, RIGHT ミギ ウエ カバー	
18	FF1–6294–000		2	HINGE ヒンジ	
19	FA2–1594–050		2	STRAP, DOOR SUPPORT ホールド テープ	
20	FA3–1469–000		2	HINGE チヨーバン	
21	FA4–1015–000		1	DOOR, FRONT マエ カバー	
22	FA4–1138–000		1	PLATE, LATCH, DOOR ドア キヤツチヤ バン	
23	XZ9–0124–000		2	LATCH, ROLLER–ACTION (STRIKE) ローラ キヤツチ (オス)	
24	FS2–8278–000		1	PLATE, SIZE INDEX タテサイズ プレート	A,E,G,H
	FS2–8279–000		1	PLATE, SIZE INDEX タテサイズ プレート	C
	FS2–8280–000		1	PLATE, SIZE INDEX タテサイズ プレート	D,F
25	FS2–8228–000		1	LABEL, INSTURCTION JAPANESE カミツマリ シヨリ ラベル	NP–4540 NP–5540

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
100 − 25	FS2−8229−000		1	LABEL, INST. ENGLISH, FRENCH カミツマリ ショリ ラベル	NP−4540 NP−5540
	FS2−8238−000		1	LABEL, INST. JAPANESE カミツマリ ショリ ラベル	NP−4040/NP−4035 NP−5040
	FS2−8239−000		1	LABEL, INST. ENGLISH, FRENCH カミツマリ ショリ ラベル	NP−4040/NP−4035 NP−5040
	FS2−8252−000		1	LABEL, INST. ENGLISH, GERMANY カミツマリ ショリ ラベル	NP−4540 NP−5540
	FS2−8268−000		1	LABEL, INST. ENGLISH, GERMANY カミツマリ ショリ ラベル	NP−4040/4035 NP−5040
26	FS2−8230−000		1	LABEL, B JAPANESE メイハン カラー トナー	100V
	FS2−8231−000		1	LABEL, B ENGLISH, FRENCH, GERMAN メイハン カラー トナー	115V/220V/240V
27	FS2−8232−000		1	LABEL, C, JAPANESE メイハン CDユニット	A
	FS2−8233−000		1	LABEL, C, ENGLISH, FRENCH メイハン CDユニット	C, D, E, F, G
	FS2−8269−000		1	LABEL, C, ENGLISH, GERMAN メイハン CDユニット	H
28	FA4−1073−000		1	PLATE, LEFT KNOB ヒダリ トッテ アナ カクシ	
29	FA4−1140−000		1	PLATE ミギ トッテ アナ カクシ	
30	FA2−7162−000		2	WASHER バインド ワッシャ	
31	FS2−8212−000		1	PLATE, RATING 100V テイカク メイハン	NP−4540 NP−5540
	FS2−8214−000		1	PLATE, RATING 220V (OLD) テイカク メイハン	NP−4540 NP−5540
	FS2−8214−030		1	PLATE, RATING, 220V (NEW) テイカク メイハン	NP−4540 NP−5540
	FS2−8215−000		1	PLATE, RATING 240V テイカク メイハン	NP−4540 NP−5540
	FS2−8246−000		1	PLATE, RATING 240V テイカク メイハン	NP−4040
	FS2−8253−000		1	PLATE, RATING 100V テイカク メイハン	NP−5040
	FS2−8255−000		1	PLATE, RATING 220V (OLD) テイカク メイハン	NP−4040
	FS2−8255−030		1	PLATE, RATING, 220V (NEW) テイカク メイハン	NP−4040
	FS2−8288−000		1	PLATE, RATING 220V (OLD) テイカク メイハン	NP−4035
	FS2−8288−020		1	PLATE, RATING, 220V (NEW) テイカク メイハン	NP−4035
	FS2−8289−000		1	PLATE, RATING 240V テイカク メイハン	NP−4035
	FS2−8303−000		1	PLATE, RATING 127V テイカク メイハン	
	FY1−0488−000		1	PLATE, RATING 115V テイカク メイハン	NP−4540 NP−5540
	FY1−0489−000		1	PLATE, RATING 115V テイカク メイハン	NP−4040
	FY1−0490−000		1	PLATE, RATING 115V テイカク メイハン	NP−4035
32	FS2−8209−000		1	LABEL ラベル	JPN
	FS2−8210−000		1	LABEL, CAUTION, TONER トナー ホキュウ チュウイ ラベル	ENG/FR
	FS2−8211−000		1	LABEL, CAUTION, TONER トナー ホキュウ チュウイ ラベル	ENG/GER
33	FS1−9003−000		4	SCREW, STEPPED, M4 ダンビス	
34	FS2−8249−000		1	LABEL, "NP−4540" ラベル	
	FS2−8250−000		1	LABEL, "NP−5040" ラベル	
	FS2−8251−000		1	LABEL, "NP−4040" ラベル	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
100 − 34	FS2−8260−000		1	LABEL, "NP−4540 EAF" ラベル	
	FS2−8261−000		1	LABEL, "NP−5540" ラベル	
	FS2−8262−000		1	LABEL, "NP−4540 EF" ラベル	
	FS2−8263−000		1	LABEL, "NP−4540 RDF" ラベル	
	FS2−8264−000		1	LABEL, "NP−4035" ラベル	
	FS2−8265−000		1	LABEL, "NP−4040F" ラベル	
	FS2−8266−000		1	LABEL, "NP−4035 AF" ラベル	
35	FS2−8291−000		1	LABEL ラベル	100V
	FS2−8292−000		1	LABEL ラベル	115V/220V/240V
36	FS2−8284−000		1	LABEL, ADJUSTING MODE チョウセイ ラベル	
37	FA4−1187−020		1	SPACER スペーサ	
38	FS1−8802−000		1	LABEL, CISPR ラベル	220/240V
39	FS2−8240−000		1	LABEL ラベル	

FIGURE 101 MACHINE FRONT PLATE
本体前側板

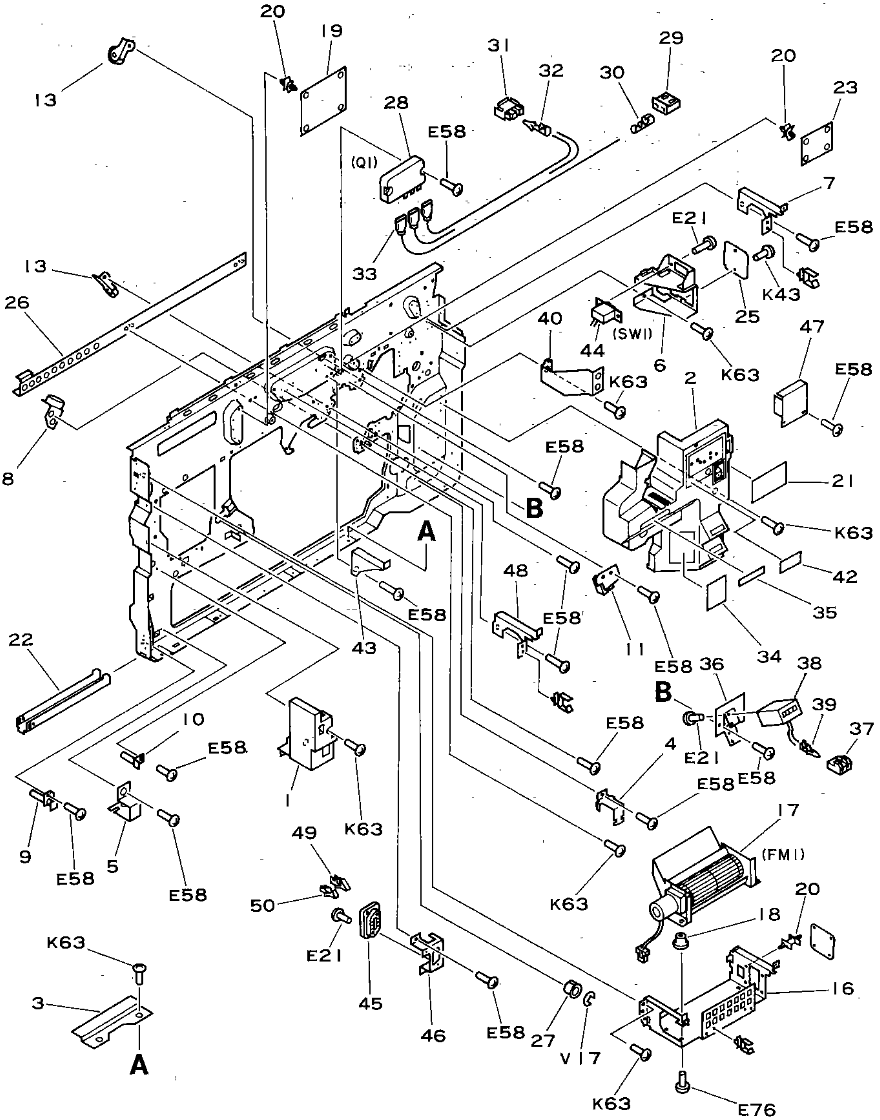

20
19
31
32
29
30
20
23
13
28
E58
(Q1)
7
E21
E58
13
33
K43
26
25
47
44
(SW1)
40
6
K63
E58
K63
2
8
E58
B
21
K63
A
42
48
E58
35
E58
11
E58
34
22
43
E58
36
38
B
39
10
E58
37
E58
4
E21
E58
E58
17
1
K63
9
E58
5
E58
(FM1)
49
20
50
K63
E21
18
45
16
3
46
E58
27
V17
A
K63
E76

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
101 –	NPN		RF	FRAME FRONT PLATE ホンタイ マエ ソクバン	
1	FA4–1012–000		1	COVER, DOOR SWITCH ドア スイツチ カバー	
2	FF1–6351–030		1	COVER, RIGHT ミギ ウチ カバー	
3	FA4–1105–000		1	RETAINER FEEDER ASS'Y サイキユウシ トメツケイタ	
4	FA4–1121–000		1	PLATE, HANDLE, A トツテ オサエ (A)	
5	FA4–1122–000		1	PLATE, HANDLE, B トツテ オサエ (B)	
6	FF9–0756–000		1	MOUNT, SWITCH メイン スイツチ ダイ	
7	FF9–0757–000		1	MOUNT, CONTROL PANEL ソウサブ ダイ	
8	FF1–6224–030		1	ROLLER, DRUM, LOWER ドラム ホゴ ローラ (シタ)	
9	FF1–6287–000		1	SHAFT シテン ジク	
10	FF1–6292–000		1	SHAFT, FRONT ジク (マエ)	
11	FF1–6304–040		1	CLEANER, WIRE, PRIMARY CORONA ワイヤ クリーナ (1ジ)	
13	FF9–0793–000		2	DRUM GUIDE ROLLER UNIT ドラム ガイド ローラ	
16	FA4–1076–000		1	MOUNT, FAN フアン ダイ	
17	FH7–1390–000		1	FAN, 24VDC フアン	
18	XH9–0006–000		4	BUSHING, RUBBER, (WITH M4 NUT) クワイタイト	
19	FH3–7019–000		1	LAMP REGULATOR, 100V ランプ レギユレータ	100V
	FH3–7021–020		1	LAMP REGULATOR, 220V ランプ レギユレータ	220V
	FH3–7022–000		1	LAMP REGULATOR, 240V ランプ レギユレータ	240V
	FH3–7030–000		1	LAMP REGULATOR, 115V ランプ レギユレータ	115V
	FH3–7042–000		1	LAMP REGULATOR, 127V ランプ レギユレータ	127V
20	VT2–0001–003		10	SUPPORT, PCB ロツキング サポート	
21	FS2–8208–000		1	PLATE, INSTRUCTION ジヤム イチ ヒヨウジ プレート	NP–4540 NP–5540
	FS2–8267–000		1	PLATE, INSTRUCTION ジヤム イチ ヒヨウジ プレート	NP–4040/NP–4035 NP–5040
22	FA4–1119–000		2	HANDLE, LIFTING トツテ	
23	FH3–2068–000		1	POWER SUPPLY P.C.B, DISPLAY デンゲン キバン ソウサブ	
25	FA2–9325–000		1	PLATE メカクシ バン	
26	FA4–1054–000	N	1	RAIL バンキン レール	
27	FS1–1511–000		1	BUSHING ブツシング	
28	FH4–5081–020		1	SSR SSR	100/115V
	FH4–5082–000		1	SSR SSR	220/240V
29	VS3–0046–002		1	CONNECTOR, 2P, FEMALE コネクタ	
30	WS3–0916–000		2	SOCKET, CONTACT, 18–24AWG コンタクト	
31	WS4–0063–000		1	CONNECTOR, 4P, MALE コネクタ	
32	WS4–0076–000		4	PIN, CONTACT, 18–24AWG ピン コンタクト	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
101 — 33	WT1–0289–000		3	SOCKET, FASTON 250, 22–16AWG ファストン	
34	FS2–8221–000		1	LABEL, JAM, (1) ジャム ショリ ラベル (1)	NP–4540 NP–5540
	FS2–8290–000		1	LABEL, JAM (2) ジ ムショリ ラベル	NP–4040/4035
35	FS2–8222–000		1	LABEL, JAM, (2) ジャム ショリ ラベル (2)	NP–5040
36	FA2–8431–000		1	MOUNT, COUNTER カウンタ ダイ	
37	VS4–0003–002		1	CONNECTOR, 2P, FEMALE コネクタ	
38	WP1–0008–000		1	COUNTER カウンタ	
39	WS3–0885–000		2	PIN, CONTACT, 20–30AWG ピン コンタクト	
40	FA4–1143–000		1	PLATE, CABLE, SUPPORT コード ダイ	
42	FA2–1550–000		1	LABEL, RESET BUTTON リセット ボタン メイハン	100V
	FS2–8556–000		1	LABEL, RESET BUTTON リセット ボタン メイハン	115/220/240V
43	FA4–1156–000	N	1	MOUNT, CONTROL PANEL ソウサブ ダイ	
44	WC1–0123–000		1	SWITCH, ROCKER デンゲン スイッチ	
45	FH2–5157–000		1	CONNECTOR コネクタ	
46	FA4–1071–000		1	MOUNT, CONNECTOR コネクタ ダイ	
47	FA4–1163–000		1	PLATE, BLANKING アナ カクシ	
48	FF9–0758–000		1	MOUNT, CONTROL PANEL ソウサ ブ ダイ	
49	WS4–0211–000		3	CONTACT, 14–16AWG コンタクト	
50	WS4–0212–000		5	CONTACT, 18–24AWG コンタクト	

FIGURE 102 MACHINE REAR PLATE (½)
本体後側板 (½)

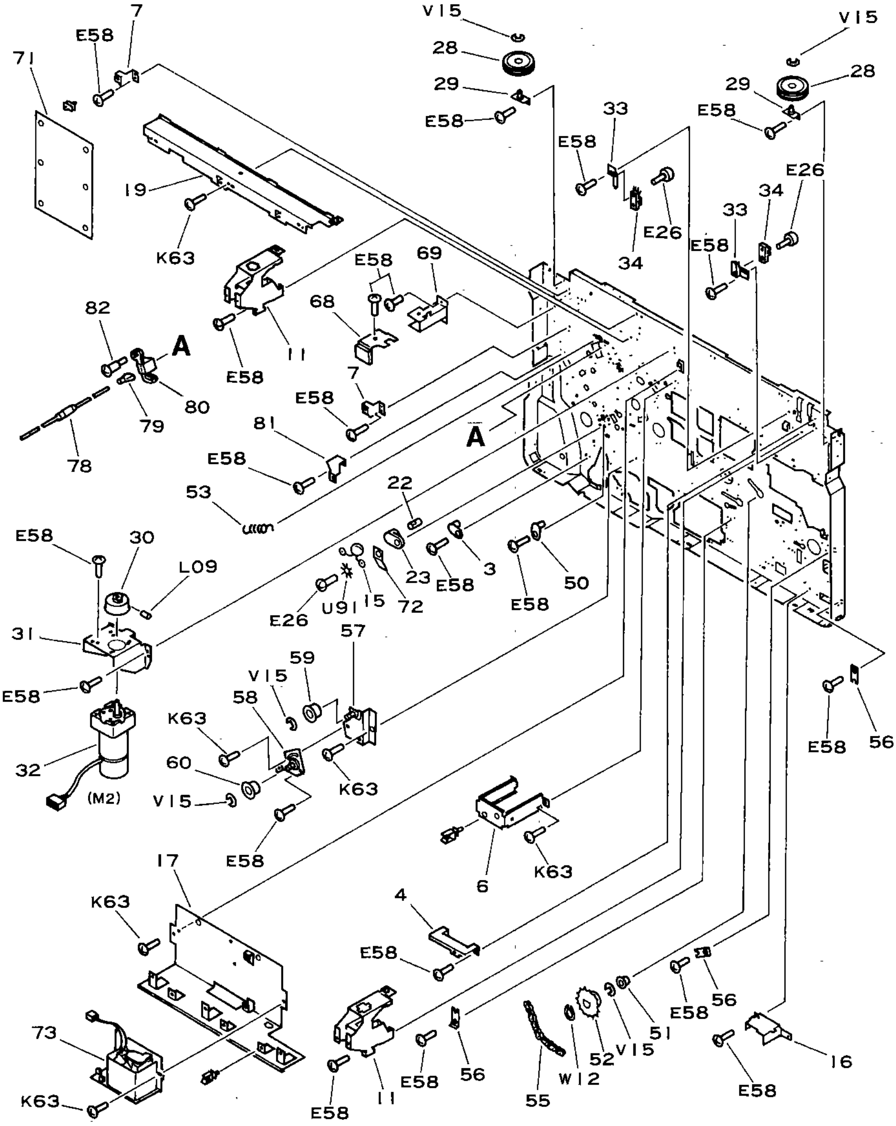

V15
28
29
E58
V15
28
29
E58
7
E58
71
19
K63
33
E58
E26
34
E26
34
33
E58
E58
69
68
11
E58
82
A
80
79
78
7
E58
81
E58
A
53
22
23
E58
3
50
E58
E58
30
L09
31
E58
E26
U91
15
72
57
59
V15
58
K63
32
(M2)
60
V15
K63
E58
E58
56
6
K63
17
K63
4
E58
56
E58
73
K63
11
E58
E58
56
55
W12
52
V15
51
16
E58

FIGURE 102 MACHINE REAR PLATE (2/2)
本体後側板 (2/2)

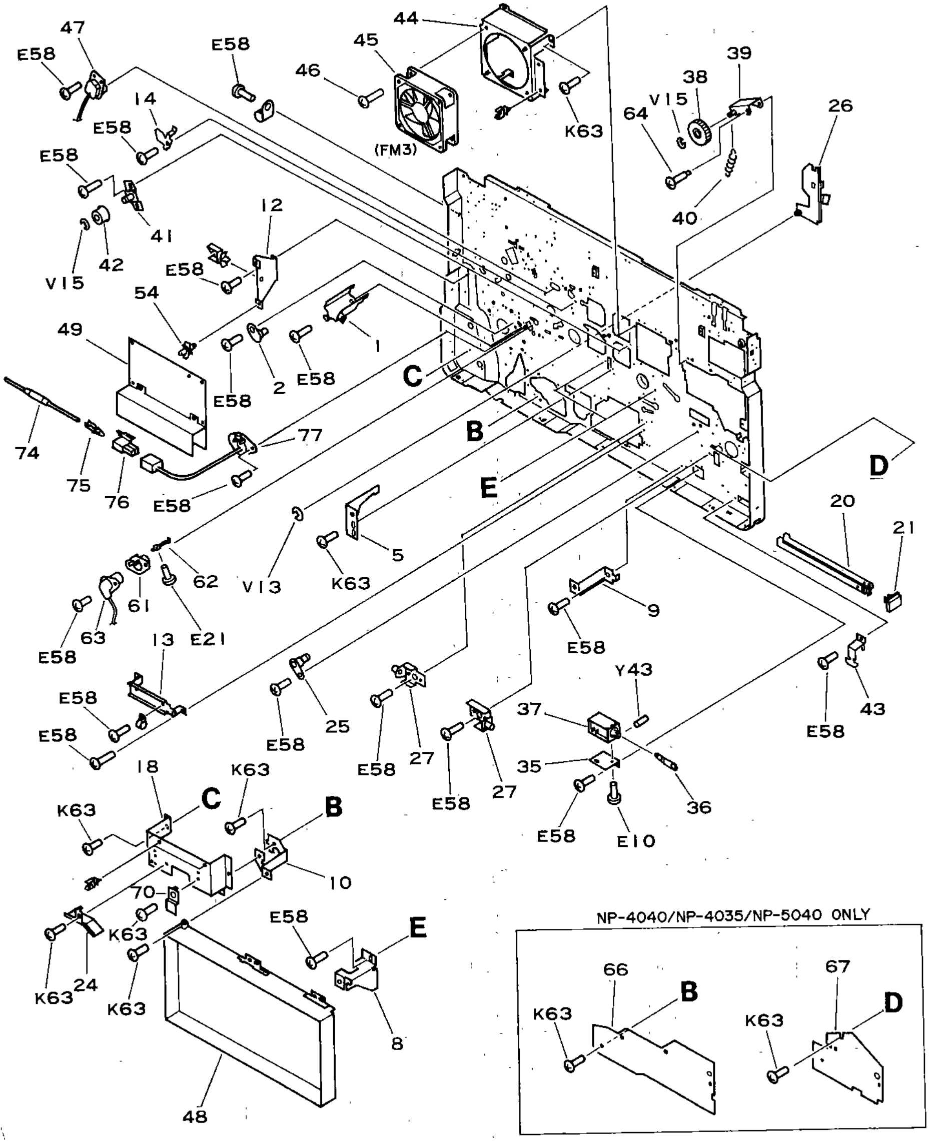
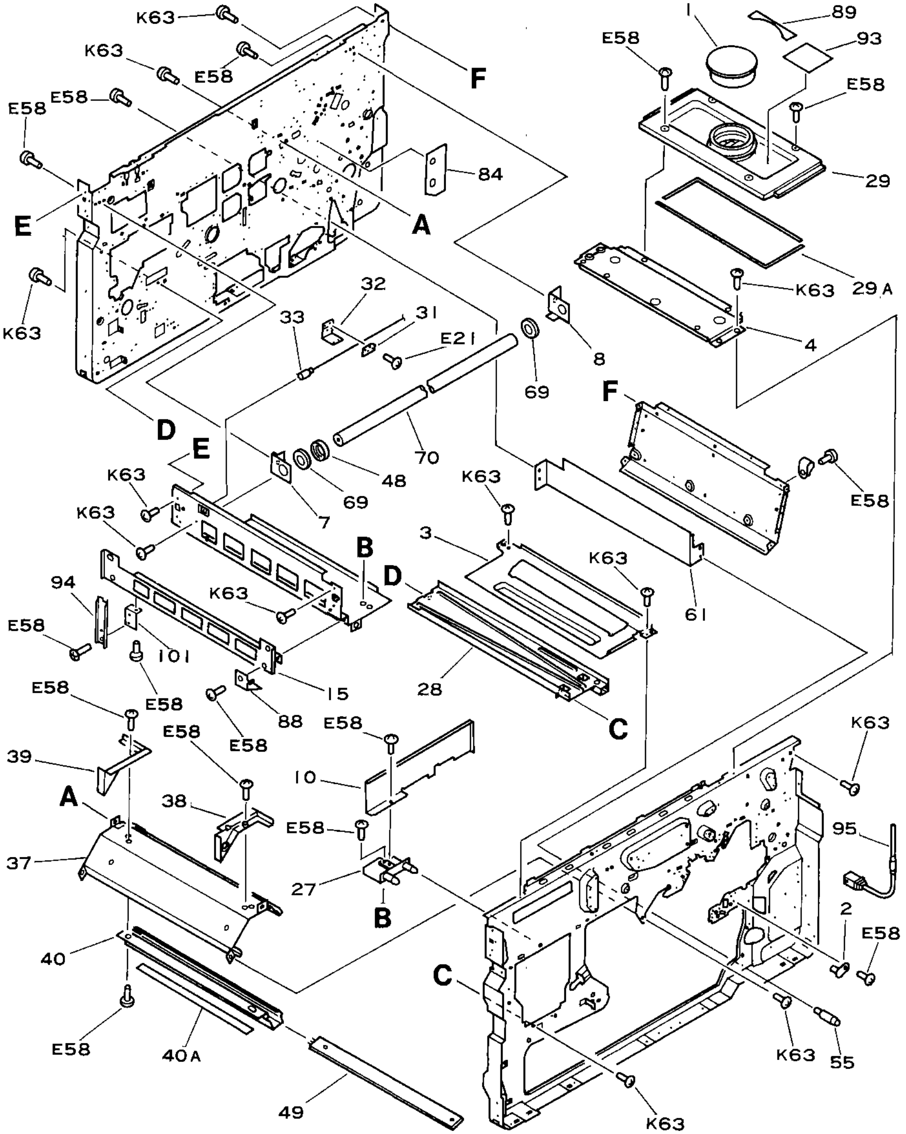

47
E58
E58
14
E58
E58
41
V15
42
44
45
46
(FM3)
K63
39
38
V15
64
40
26
12
E58
54
49
1
2
E58
E58
C
B
E
77
74
75
76
E58
D
20
21
V13
5
K63
62
61
63
E21
E58
9
E58
13
E58
E58
25
E58
27
E58
Y43
37
27
E58
35
36
E58
E10
43
E58
18
K63
C
K63
B
K63
10
70
K63
K63
24
K63
E58
E
8
48
NP-4040/NP-4035/NP-5040 ONLY
66
B
K63
67
D
K63

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
102 –	NPN		RF	MACHINE REAR PLATE ﾎﾝﾀｲ ｳｼﾛ ｿｸﾊﾞ ﾝ	
1	FA4–1042–000		1	GUIDE, CABLE ｿｸｾﾝ ｶﾞ ｲﾄﾞ	
2	FA4–1043–000		1	PLATE, PIN ｲﾁｷﾞ ﾒ ﾀﾞ ﾎﾞ	
3	FA4–1044–000		1	PLATE, PIN ｲﾁｷﾞ ﾒ ﾀﾞ ﾎﾞ	
4	FA4–1057–000		1	GUIDE, WIRE ﾜｲﾔ ｶﾞ ｲﾄﾞ	
5	FA4–1058–000		1	PLATE, STOP ﾊﾝｿｳ ｲﾁｷﾞ ﾒ ﾊﾞ ﾝ	
6	FA4–1059–000		1	GUIDE, CORD ｺｰﾄﾞ ｶﾞ ｲﾄﾞ	
7	FF9–0755–000		3	SUPPORT, PCB, LEFT ﾃﾞ ﾝｹﾞ ﾝ ﾋﾀﾞ ﾘ ｼﾊﾞ ﾝ	
8	FA4–1061–000		2	SUPPORT, PCB, UPPER ﾃﾞ ﾝｹﾞ ﾝ ｳｴ ｼﾊﾞ ﾝ	
9	FA4–1062–000		1	SUPPORT, PCB, RIGHT ﾃﾞ ﾝｹﾞ ﾝ ﾐｷﾞ ｼﾊﾞ ﾝ	
10	FG9–2028–000	N	1	MOUNT, LEFT, POWER SUPPLY DC ﾃﾞ ﾝｹﾞ ﾝ ﾋﾀﾞ ﾘ ｼﾊﾞ ﾝ	
11	FA4–1069–030		2	SUPPORT, RDF RDF ﾀﾞ ｲ	
12	FA4–1074–000		1	SUPPORT, PCB, LEFT ﾋﾀﾞ ﾘ ｼﾊﾞ ﾝ	
13	FA4–1077–000		1	GUIDE, CABLE ｻｲｷｭｳｼ ｺｰﾄﾞ ｶﾞ ｲﾄﾞ	
14	FA4–1085–000		1	PLATE ﾏｴ ﾛｺｳ ｵｻｴ ｲﾀ	
15	FF1–6003–000		1	VARISTOR ﾊﾞ ﾘｽﾀ	
16	FA4–1098–000		1	GUIDE, CABLE, REAR ｳｼﾛ ｿｸｾﾝ ｶﾞ ｲﾄﾞ	
17	FA4–1102–000		1	MOUNT, HVT HVT ﾀﾞ ｲ	
18	FA4–1107–030		1	GUIDE, CHAIN ﾃﾞ ﾂｷ ﾁｴｰﾝ ｶﾞ ｲﾄﾞ	
19	FA4–1110–020		1	SUPPORT, GLASS ｶﾞ ﾗｽ ｻｻｴ	
20	FA4–1119–000		2	HANDLE, LIFTING ﾄｯﾃ	
21	FA4–1120–000		2	CAP, HANDLE ﾄｯﾃ ｷﾔｯﾌﾟ	
22	FA4–1147–000		1	PIN ﾋﾟ ﾝ	
23	FA4–1148–000		1	HOLDER, PIN ﾋﾞ ﾝ ﾎﾙﾀﾞ	
24	FA4–1144–000		1	PLATE, BLANKING ｿｺｲﾀ ｱﾅｶｸｼ	
25	FF1–6247–000		1	PLATE, PIN ｲﾁｷﾞ ﾒ ﾋﾞ ﾝ	
26	FF1–6282–000		1	PLATE, PIN ｸﾘｰﾅ ｶｲﾃﾝ ｼﾊﾞ ﾝ	
27	FF1–6291–000		4	PLATE, PIVOT ﾋﾝｼﾞ ｲﾀ	NP–4540 NP–5540
28	FA4–0032–000		2	PULLEY ﾌﾟ ｰﾘ	
29	FF1–6206–000		2	PLATE, SPINDLE ﾌﾟ ｰﾘ ﾊﾞ ﾝ	
30	FA4–1039–000		1	PULLEY, MOTOR ﾌﾟ ｰﾘ ﾓｰﾀ	
31	FA4–1055–000	N	1	MOUNT, MOTOR ﾓｰﾀ ﾀﾞ ｲ	
32	FH7–1386–000		1	MOTOR, 18VDC ﾓｰﾀ	
33	FA4–1052–000		2	PLATE, SENSOR MOUNT ｾﾝｻ ﾊﾞ ﾝ	
34	FH7–7081–000		2	PHOTO–INTERRUPTER UNIT ﾌｵﾄｲﾝﾀﾗﾌﾟ ﾀ ﾕﾆｯﾄ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
102 – 35	FA4–1091–000		1	PLATE, SOLENOID MOUNT ソレノイド バン	NP–4540 NP–5540
36	FA4–1092–000		1	LINK リンク レバー	NP–4540 NP–5540
37	FH7–5030–030		1	SOLENOID, 24VDC ソレノイド	NP–4540 NP–5540
38	87–3050–000		1	SPROCKET, 16T スプ ロケット	
39	FF1–6214–000		1	ARM, IDLER SPROCKET テンション レバー	
40	FS1–2345–000		1	SPRING, TENSION ヒッパ リ バネ	
41	FF1–6295–000		1	PLATE, SPINDLE テンショナ バン	
42	FS1–6215–000		1	PULLEY プーリ	
43	FA4–1121–000		2	PLATE, HANDLE, A トッテ オサエ (A)	
44	FA4–1078–000	N	1	MOUNT, EXHAUST FAN ハイネツ ファン ダイ	
45	FH7–1281–000		1	FAN ファン	
46	XA9–0097–000		2	SCREW, M4X45 ネジ	
47	FH2–9025–000		1	CABLE, HVT HVT コード	
48	FH3–2065–000		1	SWITCHING REGULATOR, 100V スイッチング レギュレータ	100V
	FH3–2066–000		1	SWITCHING REGULATOR, 115V スイッチング レギュレータ	115V
	FH3–2067–030		1	SWITCHING REGULATOR, 220/240V スイッチング レギュレータ	220/240V
	FH3–2112–000		1	SWITCHING REGULATOR, 127V スイッチング レギュレータ	127V
49	FH6–3042–000		1	MOTOR CONTROLLER PCB モータ コントローラ	
50	FA3–9120–000		1	PLATE, PIN フロート ピン (1)	
51	FS1–1511–000		1	BUSHING ブッシング	
52	FS1–3207–000		1	SPROCKET, 25T 25T スプロケット	
53	FS2–2445–000		1	SPRING, TENSION ヒッパ リ バネ	
54	VT2–0001–003		16	SUPPORT, PCB ロッキング サポート	
55	XF1–1110–401		1	CHAIN, ROLLER チエーン, 104	NP–4040/NP–4035 NP–5040
	XF1–1111–601		1	CHAIN, ROLLER チエーン 116	NP–4540 NP–5540
56	FA4–1104–000	N	3	PLATE, STOP トメイタ	NP–4540 NP–5540
57	FF1–6237–000		1	PLATE, SPINDLE プーリ ダイ	
58	FF1–6238–000		1	PLATE, SPINDLE プーリ イタ	
59	FS1–6214–000		1	PULLEY プーリ	
60	FS1–6215–000		1	PULLEY プーリ	
61	FA4–1111–000		1	HOLDER, CABLE ケーブル ホルダ	
62	FA4–1112–000		1	CONTACT シュウジン デンキョク	
63	FH2–9026–000		1	CABLE HIGH VOLTAGE コウアツ コード	
64	FS1–9006–000		2	SCREW, STEPPED, M4 ダンビス	
66	FA4–1106–000	N	1	PLATE, BLANKING, LARGE メカクシ イタ (ダイ)	NP–4040/NP–4035 NP–5040

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
102 – 67	FA4–1124–000	N	1	PLATE, BLANKING, SMALL メカクシ イタ (ショウ)	NP–4040/NP–4035 NP–5040
68	FA3–9166–000		1	PLATE, BLANKING メカクシ バン	NP–4040/4035 NP–5040
69	FA4–1158–000	N	1	MOUNT, COVER D アナ カクシ トリツケ ダイ	
70	FA4–1160–000	N	1	HOLDER, REAR COVER ウシロ カバー トメ イタ	
71	FH3–2044–000		1	DC POWER SUPPLY PCB DC デンゲン	100V
	FH3–2104–000		1	DC POWER SUPPLY PCB DC デンゲン	115V
	FH3–2113–000		1	DC POWER SUPPLY PCB DC デンゲン	127V
	FH3–2201–000		1	DC POWER SUPPLY PCB DC デンゲン	220/240V
72	FA4–1174–000		1	SPRING, LEAF イタ バネ	
73	FG9–2284–000		1	TRANSFORMER, H.V コウアツ トランス	
74	FH2–9029–000		1	CABLE ケーブル	
75	WS4–0219–000		2	PIN, CONTACT, 18–22AWG ピン コンタクト	
76	VS4–0001–002		1	CONNECTOR, 2P., MALE コネクタ (オス)	
77	FA4–1111–000		1	HOLDER, CABLE ケーブル ホルダ	
78	FH2–9033–000		1	CABLE ケーブル	
79	WT1–0288–000		1	SOCKET, FASTON, SLEEVE, #187 ファストン スリーブ	
80	FH2–5218–000		1	CONNECTOR, 10P コネクタ	
81	FA4–1060–000		2	SUPPORT, PCB, LEFT デンゲン ヒダリ シバン	
82	FS1–9053–000		2	SCREW, STEPPED, M4 ダンビス	

FIGURE 103 INTERNAL COMPONENTS (1/3)
本体機械内部 (1/3)



K63
K63
E58
E58
E58
E58
F
1
89
93
E58
E58
84
29
A
E
K63
29A
K63
32
33
31
E21
8
69
4
D
E
F
70
48
69
7
K63
K63
E58
K63
B
3
K63
D
61
94
E58
K63
101
E58
15
88
28
C
E58
E58
39
E58
A
38
10
E58
37
E58
27
B
K63
95
2
E58
40
C
E58
40A
49
K63
55
K63

FIGURE 103 INTERNAL COMPONENTS (⅔)
本体機械内部 (⅔)

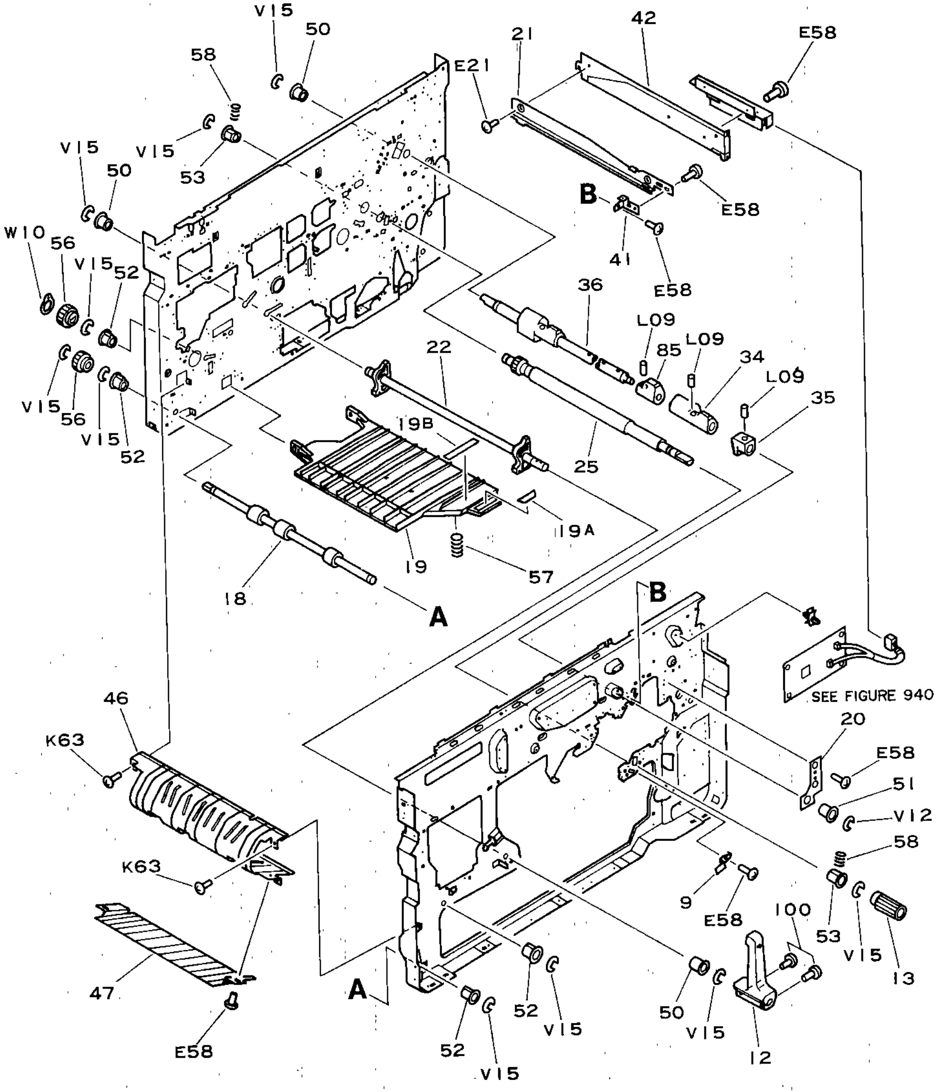

V15
50
58
21
42
E58
E21
V15
V15
53
50
B
E58
41
E58
W10
56
V15
52
36
L09
85
L09
34
L09
35
22
V15
56
V15
52
25
19B
19A
19
57
18
A
B
SEE FIGURE 940
46
20
K63
E58
51
V12
58
K63
9
E58
100
53
V15
13
47
A
52
V15
50
V15
12
E58
52
V15

FIGURE 103 INTERNAL COMPONENTS (3/3)
本体機械内部 (3/3)

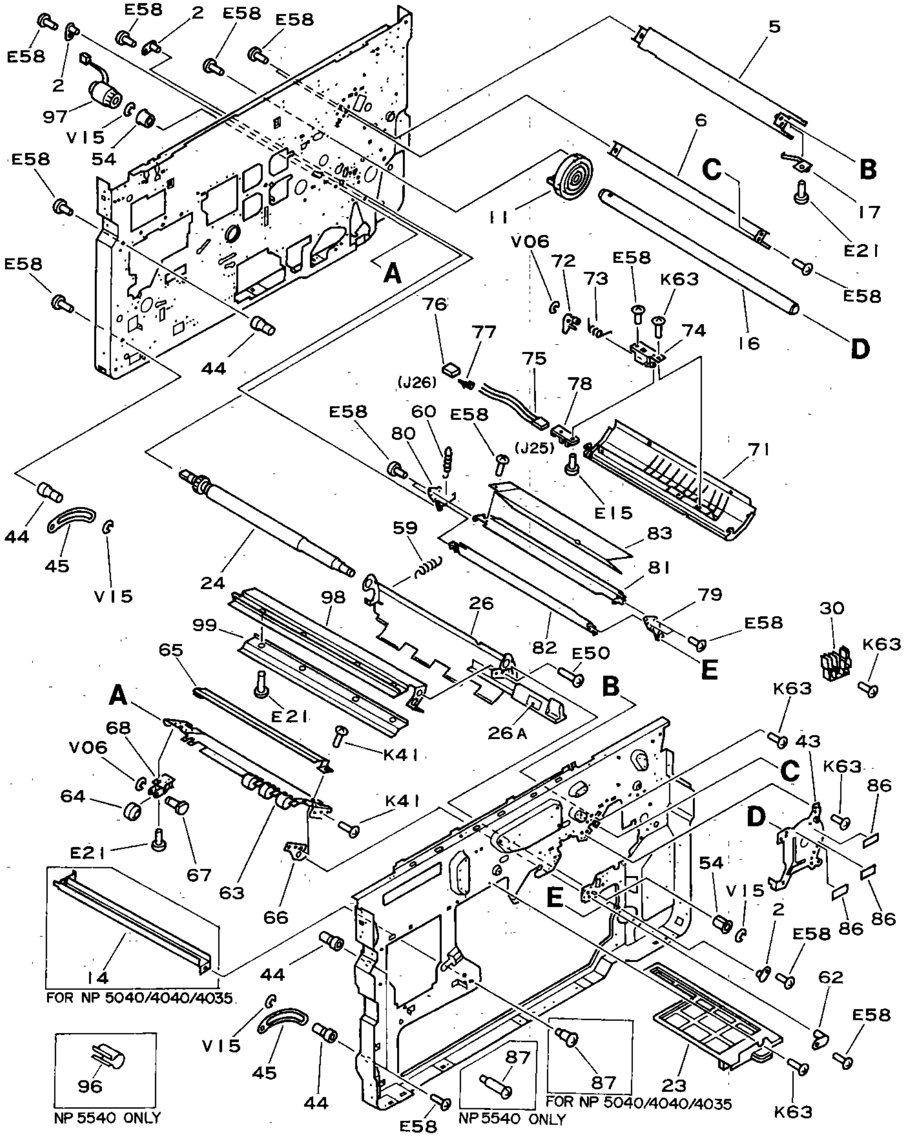

E58
2
E58
E58
E58
2
97
V15
54
E58
E58
44
A
5
6
C
B
17
E21
11
E58
16
D
V06
72
73
E58
K63
74
76
77
(J26)
75
78
(J25)
71
E15
E58
60
E58
80
44
45
V15
24
59
83
81
79
E58
E
98
26
99
82
E50
B
30
K63
65
E21
26A
A
68
V06
64
E21
67
63
66
K41
K41
K63
43
C
K63
86
D
54
V15
E
86
86
2
E58
62
14
FOR NP 5040/4040/4035
44
V15
45
44
E58
E58
96
NP 5540 ONLY
87
NP5540 ONLY
87
FOR NP 5040/4040/4035
23
K63

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
103 –	NPN		RF	INTERNAL COMPONENTS ホンタイ キカイ ナイブ	
1	FA3–2515–020		1	CAP, HOPPER ホッパー キャップ	
2	FA3–9120–000		3	PLATE, PIN フロート ピン (1)	
3	FA4–1005–000	N	1	PLATE, LEFT, UPPER ヒダリ ウエ ステー	
4	FA4–1007–020	N	1	PLATE, RIGHT, UPPER ミギ ウエ ステー	
5	FG9–2032–000		1	RAIL, BLANK EXPOSURE LAMP ブランク レール	
6	FA4–1010–000		1	RAIL, CD UNIT C ゲンゾウ レール	
7	FA4–1023–000		1	SUPPORT, RAIL, LEFT レール ササエ (ヒダリ)	
8	FA4–1025–000		1	SUPPORT, RAIL, RIGHT レール ササエ (ミギ)	
9	FA4–0855–000		1	SPRING, GROUNDING アース バネ	
10	FA4–1031–000		1	GUIDE, CABLE コード ガイド	
11	FA4–1033–000		1	RING, SLIP スリップ リング	
12	FA4–1038–020		1	HANDLE ハンソウブ トッテ	
13	FA4–1047–000		1	KNOB ミギ カイテン ツマミ	
14	FA4–1157–000	N	1	CROSSMEMBER ハンソウブ シタ ステー	NP–4040/NP–4035 NP–5040
15	FA4–1056–000		1	GUIDE, CABLE, RIGHT ミギ コード ガイド	
16	FA4–1079–000		1	SHAFT, DRUM ドラム ジク	
17	FA4–1089–000		1	SPRING, LEAF イタ バネ	
18	FA4–1090–000		1	SHAFT, ROLLER ハンテン ローラ	NP–4540 NP–5540
19	FF1–6350–000		1	TRAY, HOLDING チユウカン トレイ	NP–4540 NP–5540
19A	FS2–8226–000		1	LABEL, JAM, (6B) ジャム ショリ ラベル (6B)	NP–4540 NP–5540
19B	FA4–1181–000		2	SHEET, MYLAR マイラー シート	
20	FA4–1114–000		1	PLATE, SHAFT マエ ジク シバン	
21	FA4–0146–000		1	MOUNT, BLANK EXP. LAMPBOARD LED アレイ トリツケ バン	
22	FF1–6226–030		1	SHAFT CAM, FEEDER ASS'Y ハンソウ カイジョ カム ジク	
23	FF1–6230–000		1	FILTER, INTAKE FAN ソウフウ フイルタ	
24	FF1–6231–000		1	ROLLER, PAPER FEED ハンソウ ローラ	
25	FF1–6232–000		1	ROLLER, RUBBER ゴム ローラ	
26	FF1–6233–000		1	GUIDE, PAPER ガイド バン	
26A	FS2–8285–000		1	LABEL ジャム ショリ ラベル	
27	FF1–6285–030		1	PLATE, PIVOT イチギメ ピン シバン	
28	FF1–6288–000	N	1	RAIL, FIXING ASS'Y テイチヤク レール	
29	FF1–6296–000		1	COVER, UPPER, HOPPER フタ (ウエ)	
29A	FA4–1118–000		2	GASKET シール	
30	FF1–6305–040		1	CLEANER, WIRE, TRA./SEP.CORONA ワイヤ クリーナ (ブンリ/テンシヤ)	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
103 - 31	FA2-8676-000		1	HOLDER, UPPER, CABLE ワイヤ オサエ イタ	
32	FA4-1032-000		1	SUPPORT, CABLE, CABLE ワイヤ オサエ イタ	
33	FA4-1053-000		1	CABLE, SCANNER クドウ ワイヤ	
34	FA4-1086-000		2	CAM, CD UNIT POSITIONING OPER カアツ カム (カラー)	
35	FA4-1087-000		1	CAM ヌケボウシ カム	
36	FA4-1115-030		1	SHAFT, COLOR カアツ ジク (カラー)	
37	FA4-1008-000	N	1	RAIL, GUIDE, LEFT ガイド レール (ヒダリ)	
38	FA4-1067-000		1	GUIDE, FRONT エア ガイド (マエ)	
39	FA4-1068-000		1	GUIDE, REAR エア ガイド (ウシロ)	
40	FF1-6299-000		1	GUIDE, PRE-COND. EXP. LAMP マエ ロコウ ガイド	
40A	FA3-9126-000		1	FILTER, PRECOND EXPOSURE フイルタ	
41	FA4-0147-000		1	MOUNT, BLANK EXP. LAMPBOARD LED アレイ チヨウセイ バン	
42	FH7-3078-030		1	LAMPBOARD, BLANK EXPOSURE ブランク ロコウ LED アレイ	
43	FA4-1080-000		1	PLATE, DRUM SHAFT END シンギメ バン	
44	FA4-1094-000		4	ROD, LINK リンク ジク	
45	FA4-1095-000		2	LINK リンク	
46	FA4-1049-000		1	GUIDE, PAPER ガイド	NP-4540 NP-5540
47	FA4-1050-000		1	GUIDE, PAPER, LOWER シタ ガイド バン	NP-4540 NP-5540
48	FA4-1024-000		1	CUSHION, RUBBER カンシヨウ ゴム	
49	FH7-3069-000		1	LAMPBOARD PRE-COND. EXP ランプ	
50	FS1-1202-000		3	BUSHING ブツシング	
51	FS1-1205-000		1	BUSHING ブツシング	
52	FS1-1462-000		4	BUSHING ブツシング	NP-4540 NP-5540
53	FS1-1500-000		2	BUSHING ブツシング	
54	FS1-1505-000		2	BUSHING ブツシング	
55	FA4-1145-000		2	PIN, ADJUSTING イチダシ ピン	
56	FS2-0559-000		2	GEAR, 22T 22T ギア	NP-4540 NP-5540
57	FS2-2436-000		1	SPRING, COMPRESSION アツシユク バネ	NP-4540 NP-5540
58	FS2-2442-000		2	SPRING, COMPRESSION アツシユク バネ	
59	FS2-2443-000		1	SPRING, TENSION ヒツパリ バネ	
60	FS2-2444-000		1	SPRING, TENSION ヒツパリ バネ	
61	FA4-1139-000		1	COVER, BLANKING D アナ カクツ	
62	FA4-1149-000		1	PLATE, PIN ゼツエン ピン	
63	FF1-6223-000		1	PLATE, PAPER GUIDE, LOWER テンシヤ シタ ガイド	
64	FA2-9319-000		2	ROLLER, SUPPORT FEED ブンリ コロ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
103 – 65	FA4–0501–000		1	GUIDE, UPPER, TRANSFER テンシヤ ウエガ イド	
66	FA4–0503–000		1	PLATE, PIVOT TRANSFER GUIDE テンシヤガ イド ヒンジ	
67	FA4–0504–000		2	AXLE, ROLLER コロ シジ ク	
68	FA4–0505–000		2	MOUNT, ROLLER コロ	
69	FA2–5544–000		2	CUSHION, FELT ケツシヨン	
70	FA4–1022–000		1	RAIL, SCANNER アンナイ ジ ク	
71	FA4–0466–000	N	1	GUIDE, A ガ イド A	
72	FA4–0472–000		1	ARM, PAPER SENSING ケンチ アーム	
73	FA4–0473–000		1	SPRING, TORSION ネジ リ バ ネ	
74	FF1–6236–000		1	MOUNT, PAPER SENSOR レジ スト センサバ ン	
75	VS1–0192–003		1	CONNECTOR, 3P コネクタ	
76	VS4–0003–003		1	CONNECTOR, 2P, FEMALE コネクタ	
77	WS3–0885–000		3	PIN, CONTACT, 20–30AWG ピ ン コンタクト	
78	FH7–7081–000		1	PHOTO–INTERRUPTER UNIT フオトインタラプ タ ユニツト	
79	FF1–6234–000		1	GUIDE, C C ガ イド	
80	FA4–0392–000		1	PLATE, REAR ウシロ シバ ン	
81	FA4–0393–000		1	GUIDE, UPPER ガ イド (ウエ)	
82	FA4–0394–000		1	GUIDE, LOWER ガ イド (シタ)	
83	FA4–0395–000		1	SHEET, GUIDE ガ イド シート	
84	FA4–1123–000		1	SHEET, INSULATION ゼ ツエン シート	
85	FA4–1162–000		1	CAM Cゲ ン コテイ カム	
86	FS2–8612–000		10	LABEL, CAUTION コウオン チユウイ ラベ ル	100V
	FS2–8613–000		10	LABEL, CAUTION コウオン チユウイ ラベ ル	115V
	FS2–8614–000		1	LABEL, CAUTION コウオン チユウイ ラベ ル	220/240V
87	FS1–9003–000		2	SCREW, STEPPED, M4 ダ ン ビ ス	NP–4040/4035 NP–5040
	FS1–9006–000		1	SCREW, STEPPED, M4 ダ ン ビ ス	NP–4540 NP–5540
88	FA4–1152–000	N	2	PLATE, LATCH ウチ ハイシ	
89	FS2–8243–000		1	LABEL, A メイハン (トナーセツト)	JAPANESE
	FS2–8244–000		1	LABEL, A メイハン (トナーセツト)	ENGLISH/FRENCH
	FS2–8245–000		1	LABEL, A ラベ ル (トナーセツト)	ENGLISH/GERMANY
93	FS1–8389–000		1	LABEL, CAUTION, TONER トナー ホキユウ チユウイ ラベ ル	JPN 100V
	FS1–8390–000		1	LABEL, CAUTION, TONER トナー ホキユウ チユウイ ラベ ル	115/220/240V
	FS2–8719–000		1	LABEL, CAUTION, TONER トナー ホキユウ チユウイ ラベ ル	ENGLISH/GERMANY
94	FA4–1175–000		1	PLATE, MIRROR HOLDING ミラー コテイ バ ン	
95	FH2–9028–000		1	CABLE ケーブ ル	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
103 – 96	FA4–1155–000	N	1	CROSSMEMBER ハンソウ ブ シタ ステー	NP–4540 NP–5540
97	FH7–5087–000		1	CLUTCH, ELECTROMAGNETIC デ ンジ クラッチ	
98	FF1–6342–000		1	PLATE, SHEET シフト トリ バ ン	
99	FA4–1153–000		1	PLATE シフト ウケ	
100	XB1–2401–809		1	SCREW ビ ス	
101	FA4–1176–000		1	MOUNT, MIRROR HOLDING ミラー コテイ シバ ン	

FIGURE 104 MACHINE BOTTOM PLATE
本体底板

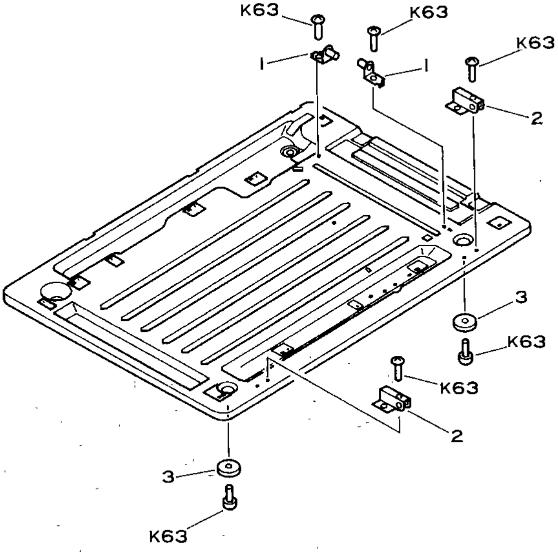


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
104 –	NPN		RF	MACHINE BOTTOM PLATE ホンタイ ソコイタ	
1	FF1–6235–000		2	PLATE, PIN コテイ ダ イ	
2	FA4–1064–000		2	HINGE ミギ カバ – ヒンジ	
3	FA2–1113–000		2	FOOT, COPIER BODY, RUBBER ゴ ム アシ	

FIGURE 110 POWER CORD TERMINAL ASSEMBLY (100V)

電源コード台部 (100V)

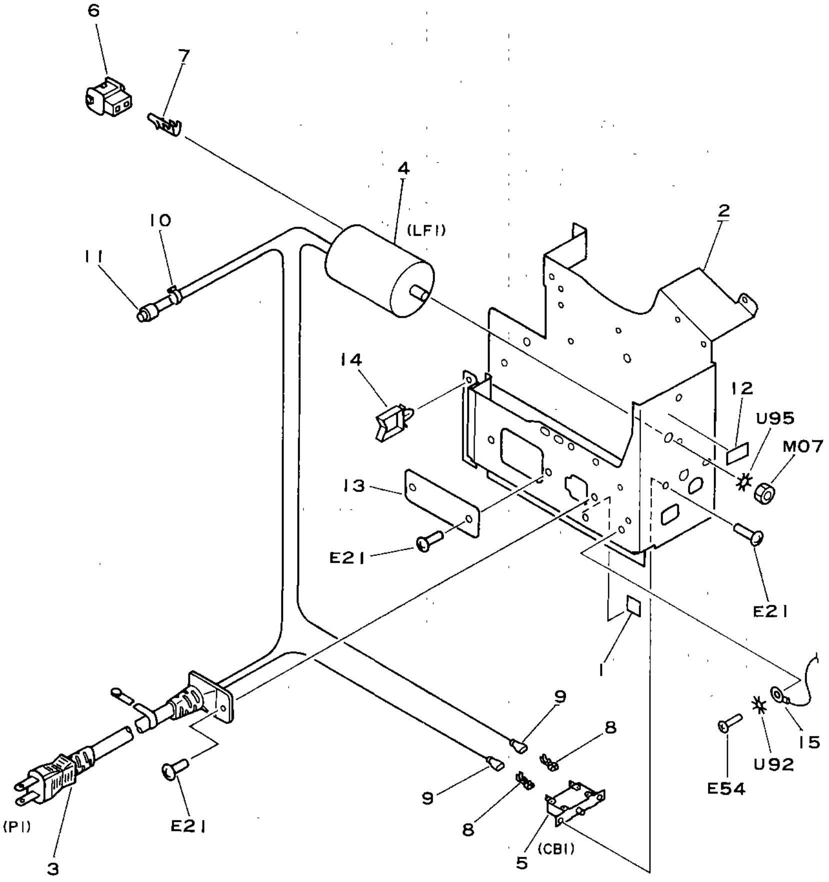

6
7
4
(LF1)
10
11
2
14
12
U95
M07
13
E21
E21
1
9
8
15
U92
E54
9
8
(P1)
E21
3
5
(CB1)

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
110 –	NPN		RF	POWER CORD TERMINAL ASSEMBLY デンゲン コードダイブ	100V
1	96–8212–000		1	LABEL, "GROUND" アース ラベル	
2	FA4–0751–050	N	1	MOUNT, POWER, CORD コード ダイ	
3	FH2–5087–000		1	CORD, POWER, 125V 15A デンゲン コード	
4	FH7–9040–000		1	FILTER, NOISE ノイズ フイルタ	
5	WD3–0104–000		1	CIRCUIT BREAKER サーキット ブレーカ	
6	WS4–0060–000		1	CONNECTOR, 2P, FEMALE コネクタ	
7	WS4–0073–000		2	SOCKET, CONTACT, 14–20AWG コンタクト	
8	WT1–0143–000		2	SOCKET, FASTON 205, 14–18AWG ファストン	
9	WT1–0171–000		2	SLEEVE, FASTON 205 ファストン スリーブ	
10	WT2–0030–000		1	TIE, CABLE ソクセン バンド	
11	X62–9153–000		1	SPLICE, CLOSED END ヘイタン タンシ	
12	FA9–0029–000	N	1	LABEL ラベル	
13	FA2–2332–000		1	PLATE, BLANKING メカクシ イタ	
14	WT2–0133–000		1	CLIP, CABLE, 3NS ロッキング ワイヤー サドル	
15	FH2–5006–000		1	GROUND CABLE UNIT アース セン	

FIGURE 111 POWER CORD TERMINAL ASSEMBLY (115V)

電源コード台部 (115V)

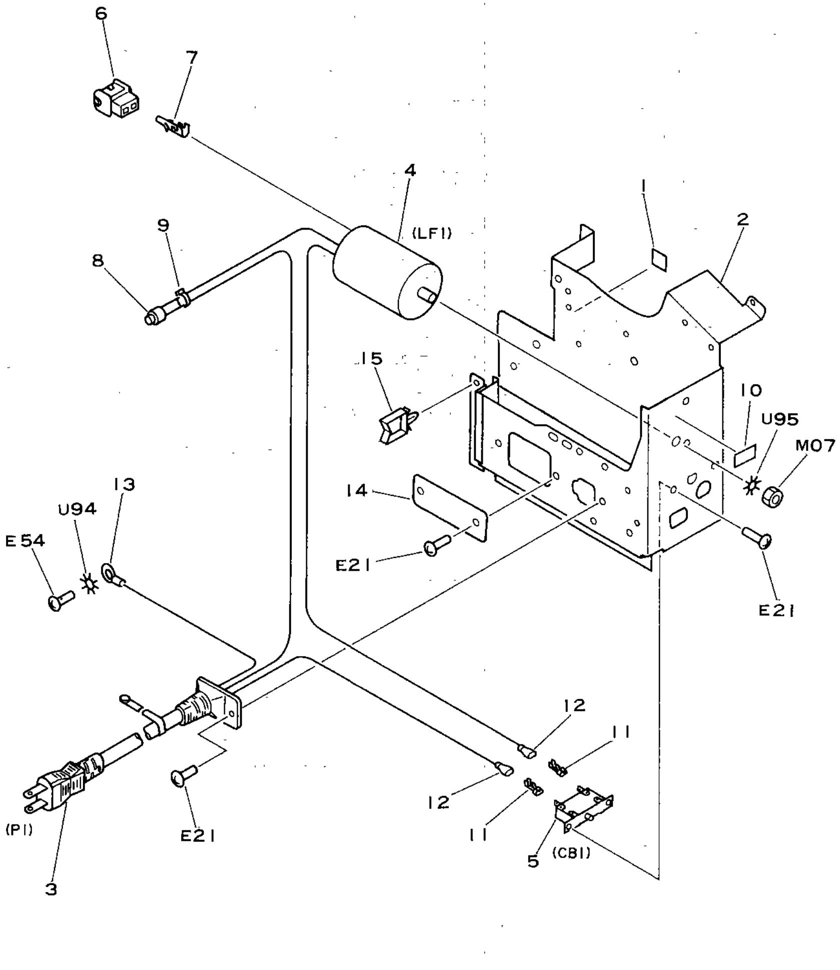

6
7
4
(LF1)
1
2
9
8
15
10
U95
M07
13
U94
E54
14
E21
E21
12
11
12
11
(P1)
E21
5
(CB1)
3

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
111 –	NPN		RF	POWER CORD TERMINAL ASSEMBLY デンゲンコード ダイブ	115V
1	96-8212-000		1	LABEL, "GROUND" アース ラベル	
2	FA4-0751-050	N	1	MOUNT, POWER CORD コード ダイ	
3	FH2-5045-000		1	CORD, POWER, 300V 18A デンゲンコード	
4	FH7-9040-000		1	FILTER, NOISE ノイズ フイルタ	
5	WD3-0104-000		1	CIRCUIT BREAKER サーキット ブレーカ	
6	WS4-0060-000		1	CONNECTOR, 2P, FEMALE コネクタ	
7	WS4-0073-000		2	SOCKET, CONTACT, 14-20AWG コンタクト	
8	X62-9153-000		1	SPLICE, CLOSED END ヘイタン タンシ	
9	WT2-0030-000		1	TIE, CABLE ソクセン バンド	
10	FA9-0023-000		1	LABEL ラベル	
11	WT1-0143-000		2	SOCKET, FASTON 205, 14-18AWG ファストン	
12	WT1-0171-000		2	SLEEVE, FASTON 205 ファストン スリーブ	
13	X66-6670-000		1	TERMINAL, RING マルガタ タンシ	
14	FA2-2332-000		1	PLATE, BLANKING メカクシ イタ	
15	WT2-0133-000		1	CLIP, CABLE, 3NS ロツキング ワイヤー サドル	

FIGURE 112 POWER CORD TERMINAL ASSEMBLY (220/240V)

電源コード台部 (220/240V)

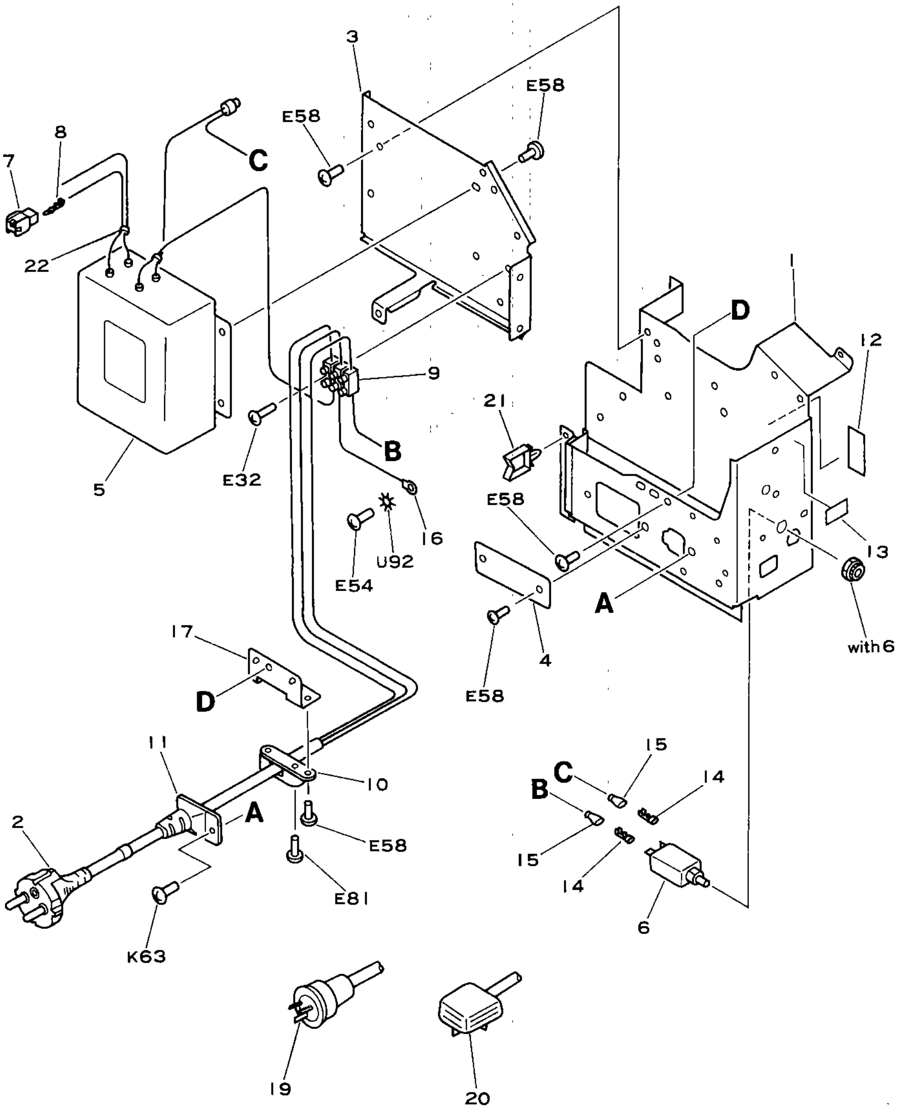

3
E58
E58
8
7
C
22
1
D
12
9
21
B
5
E32
E58
16
U92
13
E54
A
with 6
17
4
D
E58
11
15
C
14
B
10
A
2
E58
15
14
E81
6
K63
19
20

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
112 –	NPN		RF	POWER CORD TERMINAL ASSEMBLY デンゲン コード ダイブ	220/240V
1	FA4–0751–050	N	1	MOUNT, POWER, CORD コード ダイ	
2	WT3–9041–000		1	CORD, POWER, 250V 10A デンゲン コード	220V
3	FA4–0752–000		1	MOUNT, FILTER フイルタ トリツケ ダイ	
4	FA2–2332–000		1	PLATE, BLANKING メカクシ イタ	
5	FH7–9148–000		1	FILTER, NOISE ノイズ フイルタ	
6	WD3–0113–000		1	CIRCUIT BREAKER サーキット ブレーカ	
7	WS4–0060–000		1	CONNECTOR, 2P, FEMALE コネクタ	
8	WS4–0073–000		2	SOCKET, CONTACT, 14–20AWG コンタクト	
9	WT1–0159–000		1	BLOCK, TERMINAL タンシ ダイ	
10	FH2–5043–000		1	CLAMP, POWER CORD コード クリツプ	
11	WT2–0178–000		1	RELIEF, STRAIN コード ブツシユ	
12	FA2–5438–000		1	LABEL, "GROUND" アース ラベル	
13	FA9–0026–000		1	LABEL ラベル	220V
	FA9–0027–000		1	LABEL ラベル	240V
14	X62–5334–000		2	SOCKET, FASTON 250, 14–18AWG ファストン	
15	WT1–0029–000		2	SLEEVE, FASTON 250 ファストン スリーブ	
16	X62–6765–000		1	TERMINAL, RING, 4.34MM マルガタ タンシ	
17	FA4–0753–000		1	MOUNT, CORD CLAMP コード ランプ ダイ	
19	WT3–9034–000		1	CORD, POWER, 250V 10A デンゲン コード	240V
20	WT3–9048–000		1	CORD, POWER, 250V 10A デンゲン コード	240V
21	WT2–0133–000		1	CLIP, CABLE, 3NS ロツキング ワイヤー サドル	
22	WT2–0030–000		3	TIE, CABLE ソクセン バンド	

FIGURE 120 DOOR SWITCH ASSEMBLY
ドアスイッチ部

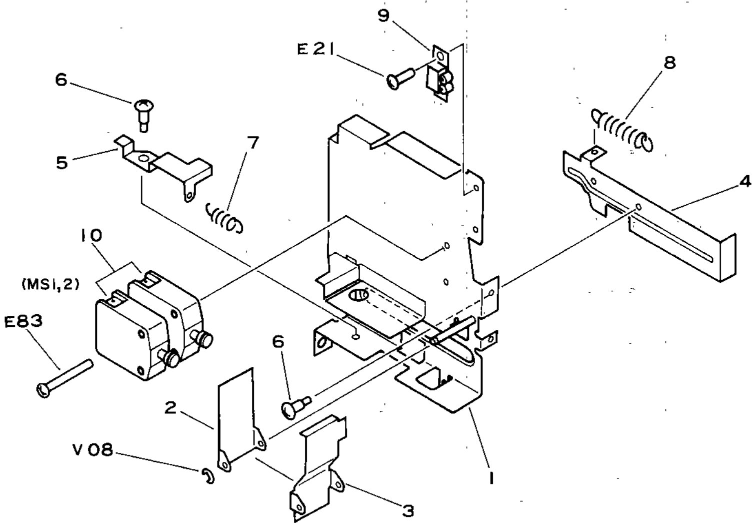
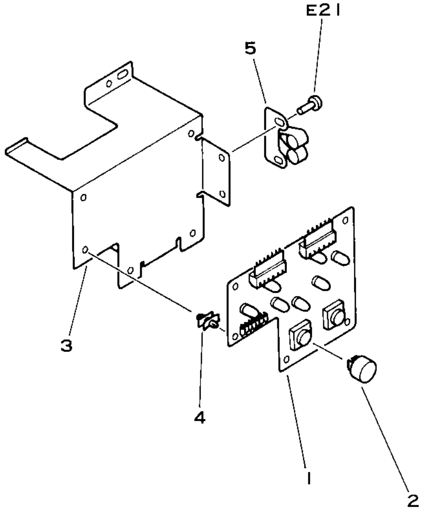


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
120 –	NPN		RF	DOOR SWITCH ASSEMBLY ﾄﾞ ｱ ｽｲｯﾁ ﾌﾞ	
1	FF1–6222–000		1	MOUNT, DOOR SWITCH ｽｲｯﾁ ﾀﾞ ｲ	
2	FA4–0757–000		1	SPRING, LEAF ｲﾀ ﾊﾞ ﾈ	
3	FA4–0758–000		1	LEVER, SWITCH ｽｲｯﾁ ﾚﾊﾞ ｰ	
4	FA4–0759–000		1	PLATE, SLIDE ｽﾗｲﾄﾞ ﾊﾞ ﾝ	
5	FA4–0760–000		1	PLATE, SWING ﾖｳﾄﾞ ｳﾊﾞ ﾝ	
6	FS1–9002–000		3	SCREW, STEPPED, M4 ﾀﾞ ﾝﾋﾞ ｽ	
7	FS2–2418–000		1	SPRING, TENSION ﾋｯﾊﾟ ﾘ ﾊﾞ ﾈ	
8	FS2–2419–020		1	SPRING, TENSION ﾋｯﾊﾟ ﾘ ﾊﾞ ﾈ	
9	XZ9–0029–000		1	LATCH, ROLLER–ACTION (CATCH) ﾛｰﾗｷﾔｯﾁ	
10	WC2–0063–000		2	SWITCH, PUSHBUTTON ｽｲｯﾁ	

FIGURE 121 JAM LOCATION INDICATOR ASSEMBLY
ジャム表示部



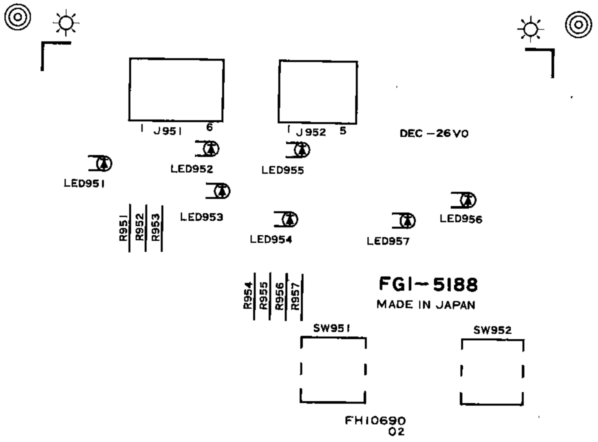

1 J951 6
1 J952 5
DEC -26V0
LED951
LED952
LED953
LED954
LED955
LED956
LED957
R951
R952
R953
R954
R955
R956
R957
FG1-5188
MADE IN JAPAN
SW951
SW952
FH10690
02

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
121 –	NPN		RF	JAM LOCATION INDICATOR ASS'Y ジ ヤム ヒヨウジ ブ	
1	FG1–5188–000		1	JAM LOCATION INDICATOR P.C.B ジ ヤム ヒヨウジ カイロ キバ ン	
2	FA4–0871–000		1	CAP, JAM RESET SWITCH ジ ヤム リセツト ボ タン	
3	FA4–0872–000		1	MOUNT, JAM RESET PCB ジ ヤム リセツト ダ イ	
4	VT2–0001–004		4	MOUNT PCB ロツキング サポ ート	
5	XZ9–0125–000		1	LATCH, ROLLER–ACTION (CATCH) ローラ キヤツチ	
J951	WS3–0533–000		1	PIN ASSEMBLY, 6P ピ ン アセンブ リ	
J952	WS3–0532–000		1	PIN ASSEMBLY, 5P ピ ン アセンブ リ	
LED951	WG1–0305–000		1	LED, TLR116A LED	
LED952	WG1–0305–000		1	LED, TLR116A LED	
LED953	WG1–0305–000		1	LED, TLR116A LED	
LED954	WG1–0305–000		1	LED, TLR116A LED	
LED955	WG1–0305–000		1	LED, TLR116A LED	
LED956	WG1–0305–000		1	LED, TLR116A LED	
LED957	WG1–0305–000		1	LED, TLR116A LED	
R951	VR1–1141–332		1	RESISTOR, 3.3KOHM 1/4W テイコウ	
R952	VR1–1141–332		1	RESISTOR, 3.3KOHM 1/4W テイコウ	
R953	VR1–1141–332		1	RESISTOR, 3.3KOHM 1/4W テイコウ	
R954	VR1–1141–332		1	RESISTOR, 3.3KOHM 1/4W テイコウ	
R955	VR1–1141–332		1	RESISTOR, 3.3KOHM 1/4W テイコウ	
R956	VR1–1141–332		1	RESISTOR, 3.3KOHM 1/4W テイコウ	
R957	VR1–1141–332		1	RESISTOR, 3.3KOHM 1/4W テイコウ	
SW951	WC2–0089–000		1	SWITCH, PUSH オシボ タン スイツチ	
SW952	WC2–0090–000		1	SWITCH, PUSH オシボ タン スイツチ	

FIGURE 130 RAIL ASSEMBLY (BLACK DEVELOPING ASSEMBLY)
黒現像器レール部

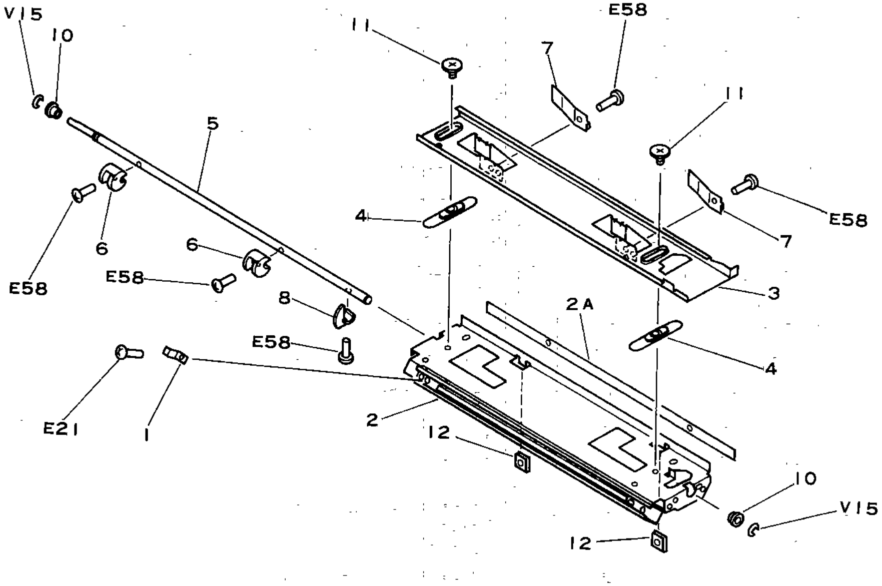


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
130 –	NPN		RF	RAIL ASSEMBLY (BLACK DEV) クロ ゲンゾウキ レールブ	
1	FA3–2232–000		1	SPRING, LEAF イタ バネ	
2	FF1–6356–000	N	1	MOUNT, RAIL レール キダイ	
2A	FA4–0229–000		1	SHEET シート	
3	FA4–0222–000		1	RAIL, DEVELOPING ASS'Y ゲンゾウ レール	
4	FA4–0223–000		2	SLIDER スライダ	
5	FA4–0224–000		1	SHAFT, BLACK カアツ ジク (クロ)	
6	FA4–0225–000		2	CAM, POSITIONING, BLACK D.A カアツ カム (クロ)	
7	FA4–0226–000		2	SPRING, LEAF, BLACK イタ バネ (クロ)	
8	FA4–0227–000		1	CAM, SHUTTER シヤツタ カム	
10	FS1–1202–000		2	BUSHING ブッシング	
11	FS1–9194–000		2	SCREW, STEPPED, M4 ダンビス	
12	FA2–8558–000		2	SPACER スペーサ	

FIGURE 160 COPYBOARD COVER ASSEMBLY
原稿台カバー部

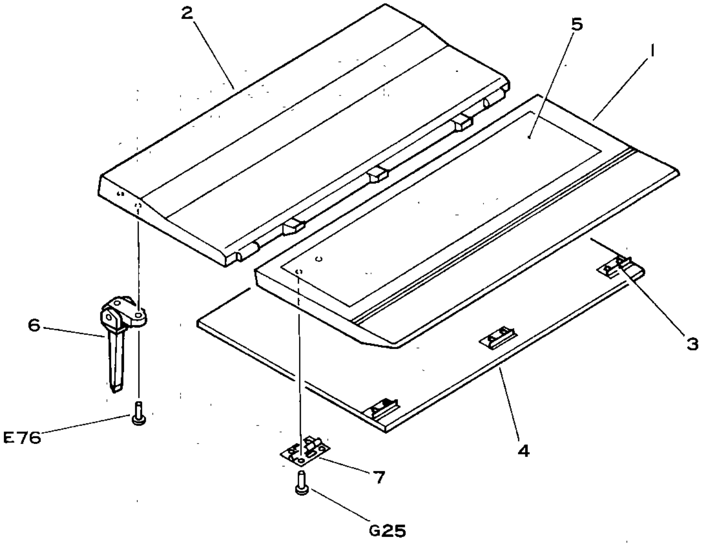


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
160 –	FG1–5167–090		1	COPYBOARD COVER ASSEMBLY ゲンコウ ダイ カバーブ	
1	FA3–9051–070		1	COVER, COPYBOARD, FRONT ゲンコウ オサエ イタ (マエ)	
2	FA3–9052–050		1	COVER, COPYBOARD, REAR ゲンコウ オサエ イタ (ウシロ)	
3	FA3–9055–000		3	PLATE, CUSHION MOUNTING シート トリツケ バン	
4	FA4–0325–000		1	CUSHION, COPYBOARD COVER アツチヤク シート	
5	FS2–8234–000		1	LABEL, INSTRUCTION (JPN) コピーノ トリカタ メイハン	
	FS2–8235–000		1	LABEL, INSTRUCTION (ENG) コピーノ トリカタ メイハン	
	FS2–8236–000		1	LABEL, INSTRUCTION (FRN) コピーノ トリカタ メイハン	
	FS2–8237–000		1	LABEL, INSTRUCTION (ENG) コピーノ トリカタ メイハン	
6	FA4–9907–000		2	HINGE, COPYBOARD COVER ヒンジ	
7	FA5–1185–000		2	PLATE, HINGE チヨウツガイ	

FIGURE 192 INTAKE FAN ASSEMBLY
送風ファン部

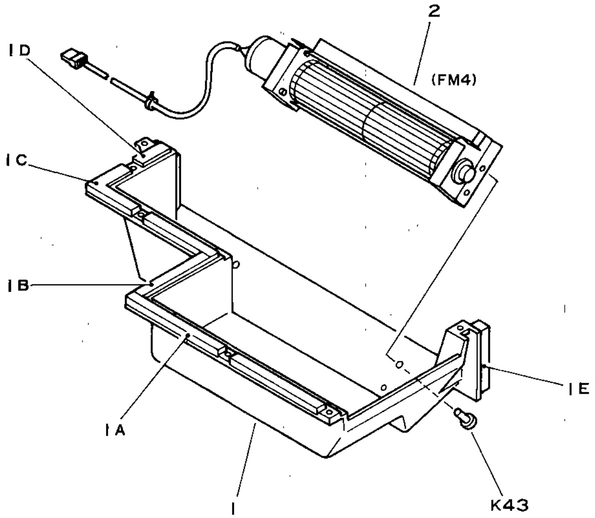


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
192 –	FG1–5135–000		1	INTAKE FAN ASSEMBLY ソウフウ ファン ブ	
1	FF1–6229–000		1	DUCT, INTAKE FAN ソウフウ ダクト	
1A	FA4–0552–000		2	GASKET 1 シール (1)	
1B	FA4–0553–000		2	GASKET 2 シール (2)	
1C	FA4–0554–000		1	GASKET 3 シール (3)	
1D	FA4–0555–000		1	GASKET 4 シール (4)	
1E	FA4–0556–000		2	GASKET 5 シール (5)	
2	FH7–1392–000		1	FAN, 24VDC ファン	

FIGURE 210 LENS TRANSPORT MECHANISM ASSEMBLY

レンズ位置制御部

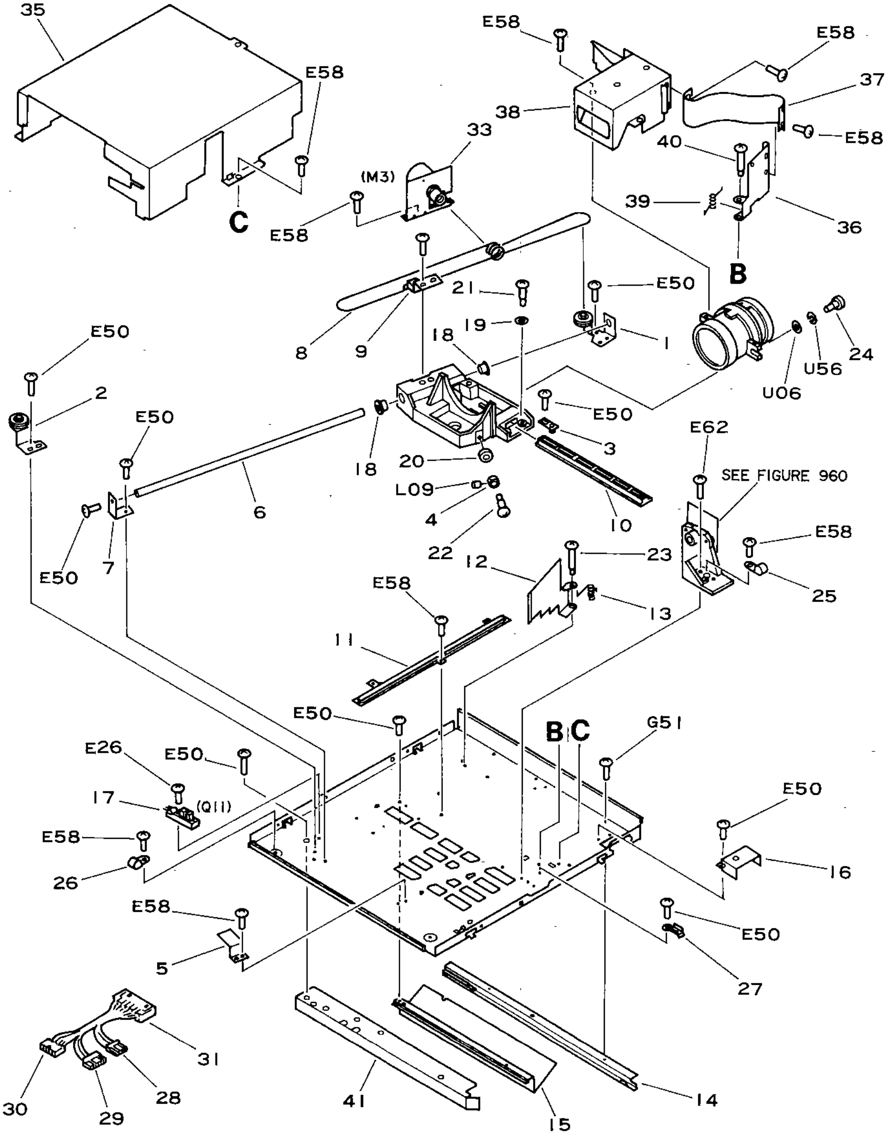

35
E58
C
E58
E58
38
33
(M3)
E58
37
40
E58
39
36
B
E58
21
E50
19
1
8
9
18
24
U56
U06
E50
2
E50
18
20
E50
3
L09
4
6
10
22
E50
7
E62
SEE FIGURE 960
E58
23
12
25
13
E58
11
E50
B C
G51
E26
E50
17
(Q11)
E58
26
E50
16
E58
E50
5
27
31
30
28
29
41
15
14

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
210 –	NPN		RF	LENS TRANSPORT MECHANISM ASS'Y レンズ イチ セイギ ヨブ	
1	FF1–6208–020		1	BRACKET/PULLEY PLATE ジ ク ササエ (ミギ)	
2	FF1–6209–020		1	PLATE, PULLEY プ ーリ バ ン	
3	FF1–6210–000		1	PLATE, PIN ラツク イタ	
4	FA2–8078–000		1	SHAFT ヘンシン ジ ク	
5	FA2–8079–000		1	PLATE, HOLDER ガ タ ド メ イタ	
6	FA4–0044–000		1	RAIL, GUIDE アンナイ ジ ク	
7	FA4–0047–000		1	BRACKET, RAIL MOUNTING ジ ク ササエ	
8	FA4–0051–000		1	CABLE, LENS DRIVE レンズ ワイヤ	
9	FA4–0052–000		1	PLATE, LIGHT BLOCKING センサ イタ	
10	FA4–0053–000	N	1	PLATE ラツク	
11	FA4–0054–000		1	GUIDE, CAM カムミゾ イタ	
12	FA4–0055–000		1	PLATE, LIGHT BLOCKING, REAR ウシロ シヤコウ イタ	
13	FA4–0056–000		1	SPRING, TORSION ネジ リ バ ネ	
14	FA4–0057–000		1	RAIL, PRIMARY CORONA ASS'Y 1ジ ガ イド レール	
15	FA4–0058–000		1	PLATE, AIR GUIDE エア ガ イド イタ	
16	FA4–0059–000		1	COVER, LIGHT BLOCKING シヤコウ カバ ー	
17	FH7–7081–000		1	PHOTO–INTERRUPTER UNIT フオトインタラプ タ ユニツト	
18	FS1–1219–000		2	BUSHING ジ クウケ	
19	FS1–6001–000		4	ROLLER, GUIDE ガ イド ローラ	
20	FS1–6008–000		1	ROLLER コロ	
21	FS1–9004–000		4	SCREW, STEPPED ダ ンビ ス	
22	FS1–9005–000		1	SCREW, STEPPED, M4 ダ ンビ ス	
23	FS1–9007–000		1	SCREW, STEPPED, M4 ダ ン ビ ス	
24	FS1–9193–000		2	CAP SCREW ダ ン ロツカク アナツキ ボ ルト	
25	X62–6856–000		2	CLAMP, CABLE, 4N コード ロツク	
26	X62–6809–000		2	CLAMP, CABLE, 3N コード オサエ	
27	FA3–8477–000		1	PLATE コード オサエ	
28	VS1–0192–003		1	CONNECTOR, 3P コネクタ	
29	VS1–0192–005		1	CONNECTOR, 5P コネクタ	
30	VS1–0192–008		1	CONNECTOR, 8P コネクタ	
31	VS1–0441–018		1	CONNECTOR, 18P コネクタ	
33	FG9–1842–000		1	MOTOR, STEPPING, DC24V モータ	
35	FA4–1027–000		1	COVER, LENS TRANSPORT レンズ ダ イ カバ ー	
36	FA4–1028–060		1	PLATE, LIGHT BLOCKING, FRONT マエ シヤコンバ ン	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
210 – 37	FA4–1029–000		1	SHEET, LIGHT BLOCKING, FRONT シャコウ シート	
38	FA4–1030–000		1	CABER, LIGHT INTENSITY COMP. コウリョウ ホセイバン	
39	FA4–0056–000		1	SPRING, TORSION ネジリバネ	
40	FS1–9007–000		1	SCREW, STEPPED, M4 ダンビス	
41	FA4–1180–000		1	RAIL レール	

FIGURE 250 DRUM DRIVE ASSEMBLY
ドラム駆動部

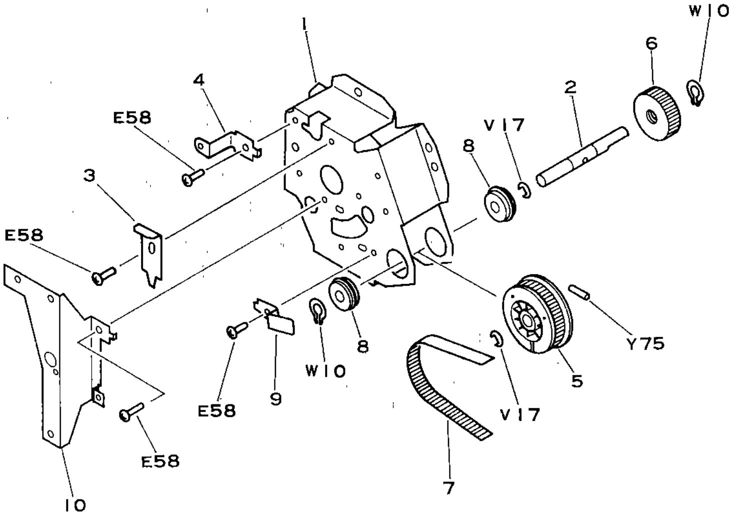


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
250 –	NPN		RF	DRUM DRIVE ASSEMBLY ドラム クドウブ	
1	FA4–0161–000	N	1	MOUNT, DRUM SHAFT ドラム ジク ササエ	
2	FA4–0162–000		1	SHAFT, DRUM DRIVE ドラム クドウ ジク	
3	FA4–1088–000	N	1	PLATE ドラム ジク オサエ イタ	
4	FA4–0164–000		1	SUPPORT, PCB デンゲン ミギ シバン	
5	FS1–3208–000		1	PULLEY, 30T 30T プーリ	
6	FS2–0579–000		1	GEAR, 32T 32T ギア	
7	XF9–0150–000		1	BELT, TIMING タイミング ベルト	
8	XG9–0013–000		2	BEARING, BALL ボールベアリング	
9	FA4–0855–000		1	SPRING, GROUNDING アース バネ	
10	FA4–0163–000		1	SUPPORT, PCB モータ ドライバ ミギ シバン	

FIGURE 251 MAIN MOTOR ASSEMBLY
メインモータ部

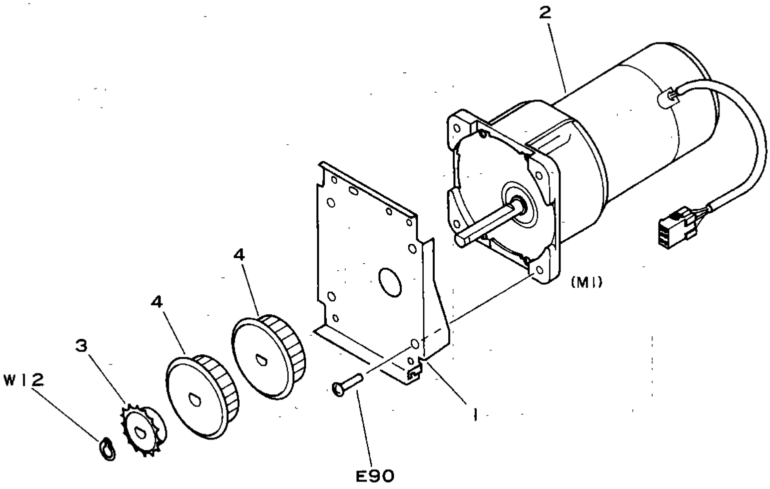


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
251 –	NPN		RF	MAIN MOTOR ASSEMBLY メイン モータ ブ	
1	FA4–0166–000	N	1	MOUNT, MOTOR モータ ダイ	
2	FH7–1385–000		1	MOTOR, 19VDC モータ	
3	FS1–3205–020		1	SPROCKET, 16T 16T スプ ロケット	
4	FS1–3204–000		2	PULLEY プ ーリ	

FIGURE 260 PAPER FEED DRIVE ASSEMBLY
給紙駆動部

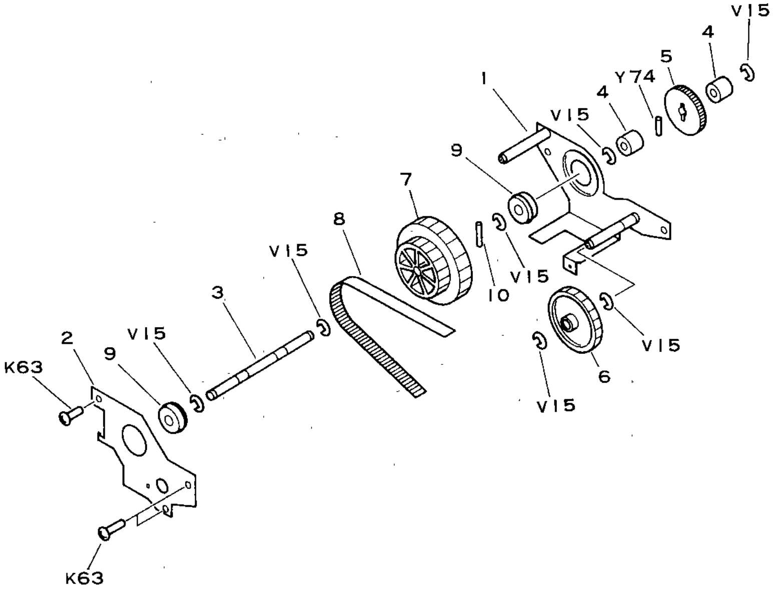


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
260 –	FG1–5128–000	N	1	PAPER FEED DRIVE ASSEMBLY キユウシ クドウ ブ	
1	FF1–6239–000		1	PLATE, SPINDLE, INNER シタ シバ ン	
2	FA4–0486–000		1	PLATE, OUTER ウエ シバ ン	
3	FA4–0488–000		1	SHAFT ニユウリユク ジ ク	
4	FS1–6193–000		2	ROLLER コロ	
5	FS2–0536–000		1	GEAR, 33T 33T ギ ア	
6	FS2–0537–000		1	GEAR, 48T 48T ギ ア	
7	FS2–0538–000		1	PULLEY, 64T 64T プ ーリ	
8	XF9–0151–000		1	TIMING, BELT タイミング ベ ルト	
9	XG9–0013–000		2	BEARING, BALL ボ ール ベ アリング	
10	XD3–2200–182		1	PIN, DOWEL ピ ン	

FIGURE 264 COPY INVERTER ROLLER DRIVE ASSEMBLY
正逆転ローラ駆動部

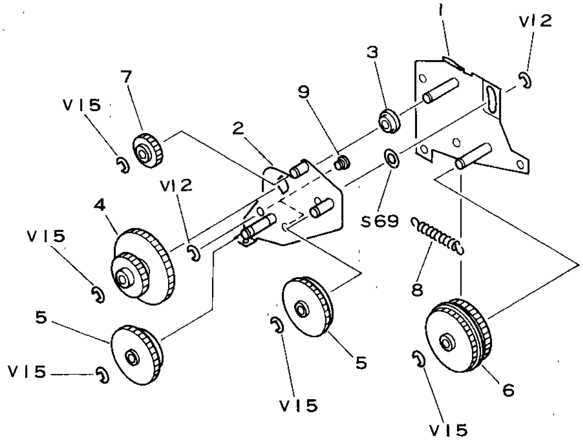


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
264 –	FG1–5144–000		1	COPY INVER. ROLLER DRIVE ASS'Y セイギ ヤクテン ローラ クドウ ブ	NP–4540 NP–5540
1	FF1–6212–000	N	1	MOUNT, INNER スイッチ バック ダイ	
2	FF1–6213–020		1	PLATE, OUTER ヨウド ウ バン	
3	FS1–1498–000		1	BUSHING ブ ッシング	
4	FS2–0519–000		1	GEAR, 28T/51T 28T/51T ギ ア	
5	FS2–0520–000		2	GEAR, 36T 36T ギ ア	
6	FS2–0521–000		1	GEAR, 43T 43T ギ ア	
7	FS2–0575–000		1	GEAR, 19T 19T ギ ア	
8	FS2–2417–000		1	SPRING, TENSION ヒッパ リ バ ネ	
9	FA4–0734–000		2	PIN スライド ヨウ ピ ン	

FIGURE 265 SEPARATION CLAW DRIVE ASSEMBLY
爪駆動部

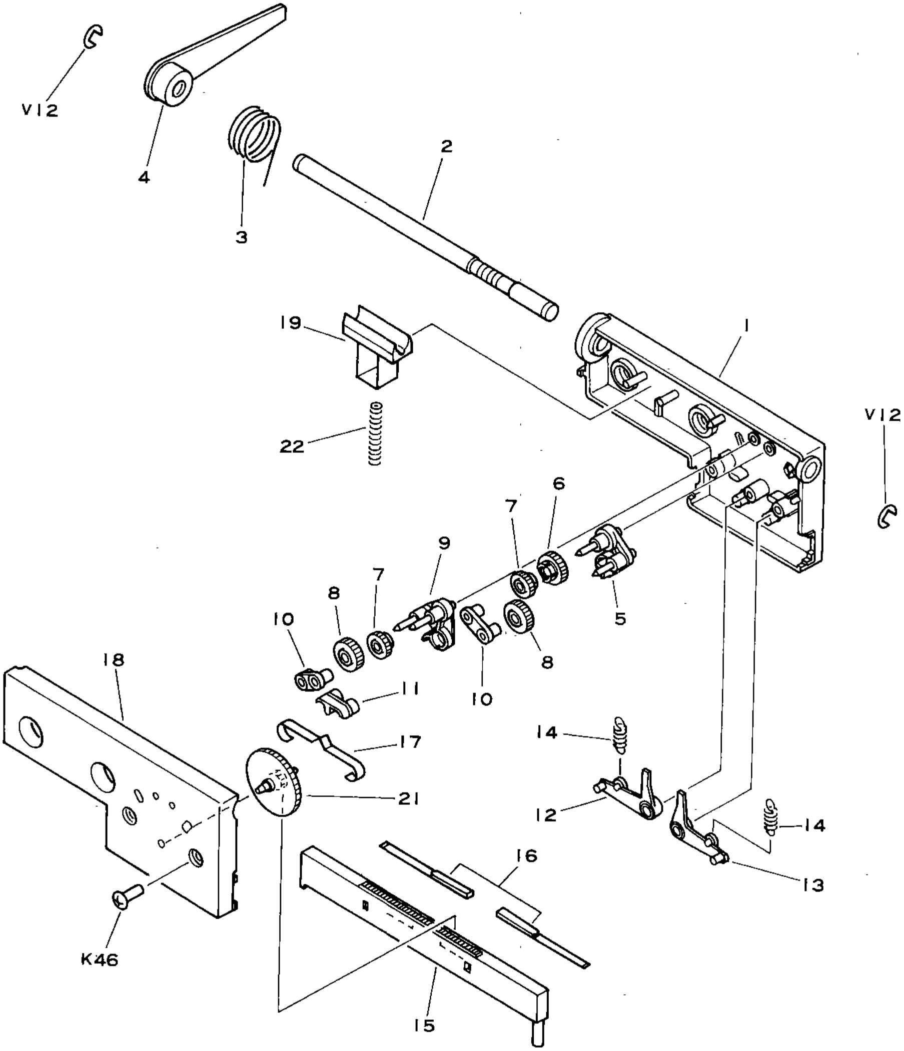

V12
4
3
2
19
22
1
V12
6
7
9
7
8
10
5
8
10
11
18
17
14
21
12
14
13
16
K46
15

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
265 —	FG1-3472-000		1	SEPARATION CLAW DRIVE ASS'Y ツメ クドウブ	
1	FA3-2471-000		1	BASE ベース	
2	FS2-0087-020		1	SHAFT, WORM ウオーム ジク	
3	FS2-2001-000		1	SPRING, TORSION ネジリバネ	
4	FA3-2472-000		1	LEVER クドウ レバー	
5	FA3-2473-000		1	LINK, LEFT ユウドウ リンク (ミギ)	
6	FS2-0088-000		1	GEAR, 20T 20T ギア	
7	FS2-0089-000		2	GEAR, 20T 20T ギア	
8	FS2-0090-000		2	GEAR, 25T 25T ギア	
9	FA3-2474-000		1	LINK, RIGHT ユウドウ リンク (ヒダリ)	
10	FA3-2475-000		2	BRACE ツナギ リング	
11	FA3-2476-000		1	LINK クリツク リンク	
12	FA3-2477-000		1	LEVER, LEFT キリカエ レバー (ミギ)	
13	FA3-2478-000		1	LEVER, RIGHT キリカエ レバー (ヒダリ)	
14	FS2-2002-000		2	SPRING バネ	
15	FA3-2479-000		1	RACK ラツク	
16	FA3-2480-000		2	SPRING, LEAF イタ バネ	
17	FA3-2481-000		1	SPRING, LEAF クリツク イタ バネ	
18	FA3-2482-000		1	COVER, TOP フタ	
19	FA3-2483-000		1	BRAKE ブレーキ	
21	FS2-0091-000		1	GEAR, 60T 60T ギア	
22	FS2-2058-000		1	SPRING, COMPRESSION アツシユク バネ	

FIGURE 270 GEAR ASSEMBLY
ギア駆動部

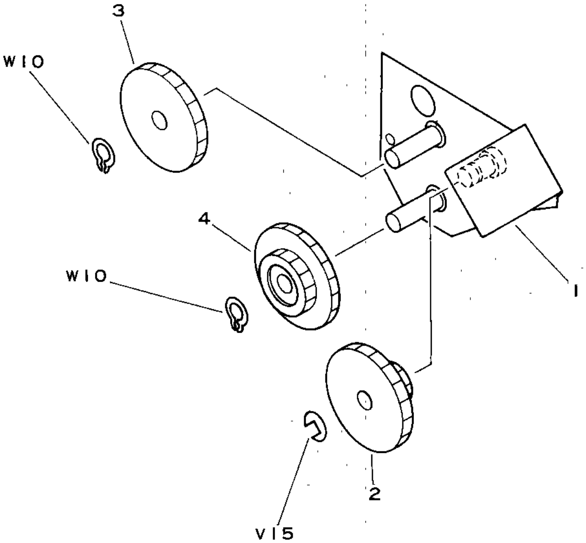


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
270 –	FG1–5118–000		1	GEAR ASS'Y ギアクドウブ	
1	FF1–6283–000		1	PLATE, SPINDLE チュウケイ キバン	
2	FS2–0055–000		1	GEAR, 40T 40T ギア	
3	FS2–0079–000		1	GEAR, 40T/16T 40T/16T ギア	
4	FS2–0534–000		1	GEAR, 23T/40T 23T/40T ギア	

FIGURE 275 FEED ROLLER LIFTING ASSEMBLY
搬送ローラ保持部

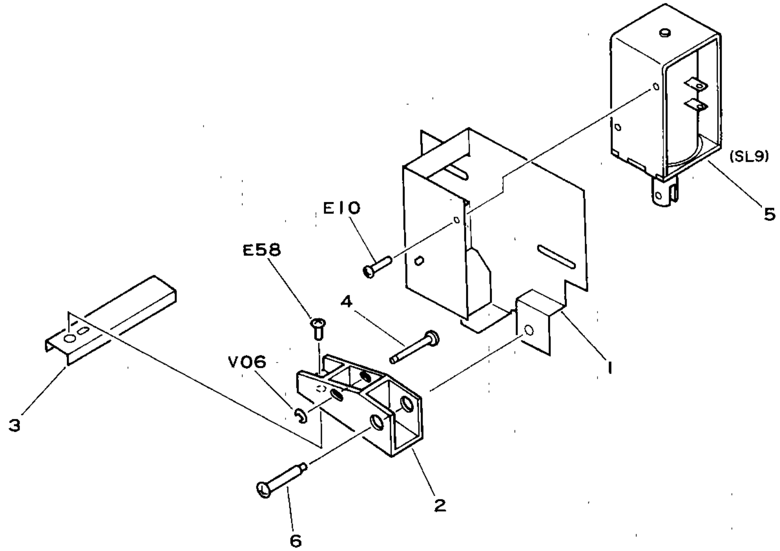


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
275 –	NPN		RF	FEED ROLLER LIFTING ASS'Y ﾊﾝｿｳ ﾛｰﾗ ﾎｼﾞﾌﾞ	NP–4540 NP–5540
1	FA4–0866–000		1	MOUNT, SOLENOID ﾌﾟﾗﾝｼﾞﾔﾀﾞｲ	
2	FA4–0867–000		1	ARM ｱｰﾑ	
3	FA4–0868–000		1	PLATE, CONNECTING ﾚﾝｹﾂﾎﾞｳ	
4	FA4–0869–000		1	PIN, CLEVIS, PLUNGER ﾌﾟﾗﾝｼﾞﾔｼﾞｸ	
5	FH7–5030–030		1	SOLENOID, 24VDC ｿﾚﾉｲﾄﾞ	
6	FS1–9005–000		1	SCREW, STEPPED, M4 ﾀﾞﾝﾋﾞｽ	

FIGURE 280 FIXING UNIT DRIVE ASSEMBLY
定着駆動部

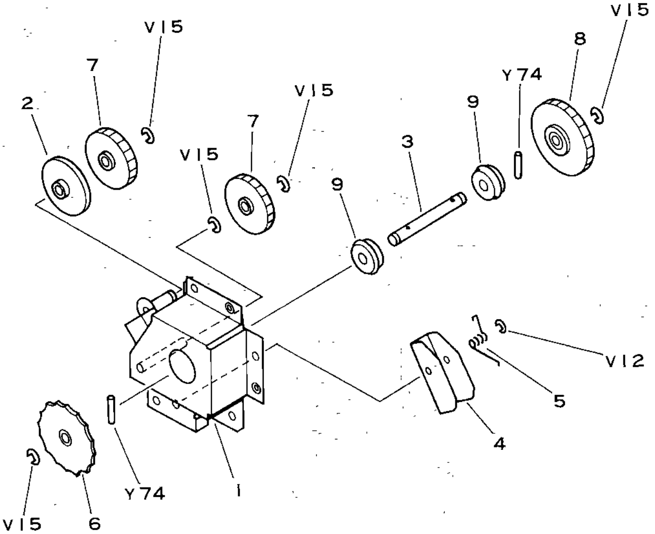


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
280 –	FG1–5141–000	N	1	FIXING UNIT DRIVE ASSEMBLY ﾃｲﾁﾔｸ ｸﾄﾞ ｳﾌﾞ	
1	FF1–6271–000	N	1	MOUNT, FIXING UNIT DRIVE ﾃｲﾁﾔｸ ｸﾄﾞ ｳﾊﾞﾝ	
2	FA4–0674–000		1	SPACER 3, GEAR ｷﾞｱ ｽﾍﾟｰｻ (3)	
3	FA4–0675–000		1	SHAFT, DRIVE ﾃｲﾁﾔｸ ｸﾄﾞｳ ｼﾞｸ	
4	FA4–0676–000		1	PLATE, SWING ｸﾄﾞｳ ｶｲｼﾞ ﾖﾊﾞﾝ	
5	FA4–0677–000		1	SPRING, TORSION ﾈｼﾞﾘ ﾊﾞﾈ	
6	FS1–3206–000		1	SPROCKET, 25T 25T ｽﾌﾟﾛｹｯﾄ	
7	FS2–0577–000		2	GEAR, 36T 36T ｷﾞｱ	
8	FS2–0578–000		1	GEAR, 49T 49T ｷﾞｱ	
9	XG9–0013–000		2	BEARING, BALL ﾎﾞｰﾙ ﾍﾞｱﾘﾝｸﾞ	

FIGURE 290 DEVELOPING UNIT CAM DRIVE ASSEMBLY
黒現像器解除駆動部

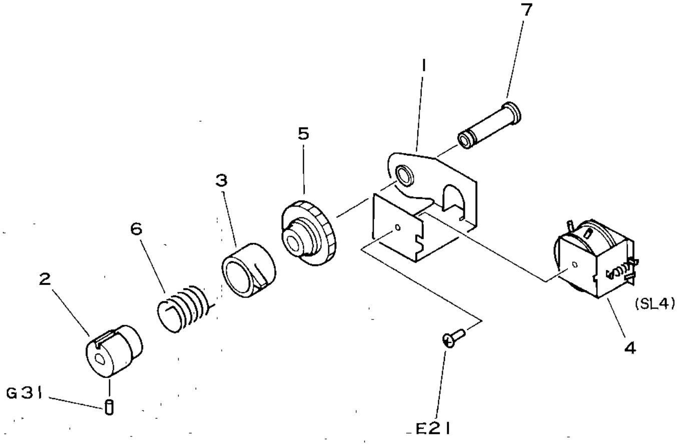


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
290 –	NPN		RF	DEV. UNIT CAM DRIVE ASSEMBLY クロゲンゾウキ カイジヨ クドウブ	
1	FF1–6286–000		1	MOUNT, CLUTCH クラツチ キバン	
2	FA3–8672–000		1	DRUM, CLUTCH, DRIVEN クラツチ ツツ	
3	FA4–0237–000		1	RING, RACHET セイギヨカン	
4	FH7–5098–000		1	SOLENOID, 24VDC DC ソレノイド	
5	FS1–0701–000		1	GEAR (30T) 30T ギア	
6	FS1–2651–000		1	SPRING, CLUTCH クラツチ バネ	
7	FA3–8674–000		1	SLEEVE, CLUTCH クラツチ ツツ	

FIGURE 291 CD UNIT CAM DRIVE ASSEMBLY
CDユニット加圧駆動部

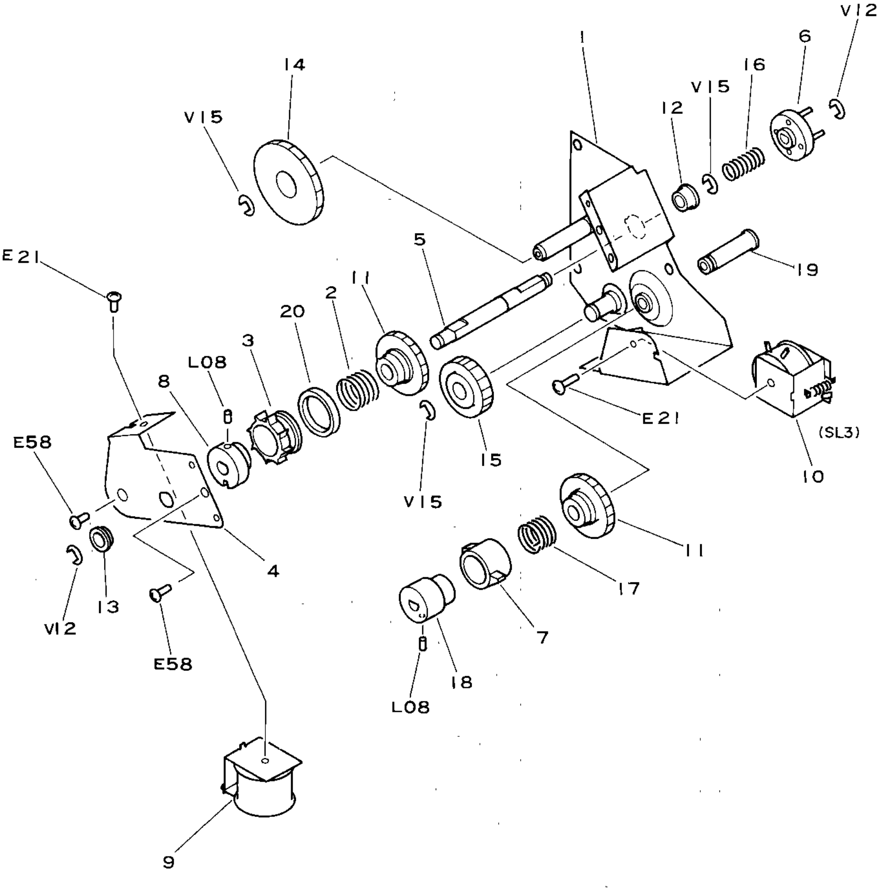

V12
1
6
16
V15
12
14
V15
5
19
E21
11
2
20
3
L08
8
E21
E58
(SL3)
15
10
V15
11
4
17
13
V12
E58
7
18
L08
9

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
291 –	NPN		RF	CD UNIT CAM DRIVE ASS'Y CD ユニツト カアツ クドウブ	
1	FF1-6284-000		1	PLATE, MOUNTING, INNER ゲンゾウ カアツ キバン	
2	87-2847-000		1	SPRING, CLUTCH クラツチ バネ	
3	FA4-0246-000		1	RING, RATCHET セイギ ヨカン	
4	FA4-0242-000		1	PLATE, MOUNTING, OUTER ゲンゾウ カアツ ウワイタ	
5	FA4-0243-000		1	SHAFT ホキユウ ジク	
6	FA4-0244-000		1	PIN, DRIVE クドウピン	4P
	FA9-1501-000		1	PIN, DRIVE クドウピン	8P
7	FA4-0245-000		1	RING, RATCHET セイギ ヨカン	
8	FA4-0832-000		1	DRUM, CLUTCH クラツチ ドラム	
9	FH7-5123-000		1	SOLENOID, 24VDC DC ソレノイド	
10	FH7-5098-000		1	SOLENOID, 24VDC DC ソレノイド	
11	FS1-0701-000		2	GEAR (30T) 30T ギア	
12	FS1-1202-000		1	BUSHING ブツシング	
13	FS1-1205-000		1	BUSHING ブツシング	
14	FS2-0055-000		1	GEAR, 40T 40T ギア	
15	FS2-0441-000		1	GEAR, 28T 28T ギア	
16	FS2-2412-000		1	SPRING, COMPRESSION アツシユク バネ	
17	FS2-2440-000		1	SPRING, TORSION ネジリ バネ	
18	FA3-8672-000		1	DRUM, CLUTCH, DRIVEN クラツチ ツツ	
19	FA3-8674-000		1	SLEEVE, CLUTCH クラツチ ツツ	
20	FA4-0247-000		1	RING, RUBBER ゴム リング	

FIGURE 295 PULLEY ASSEMBLY
プーリ部

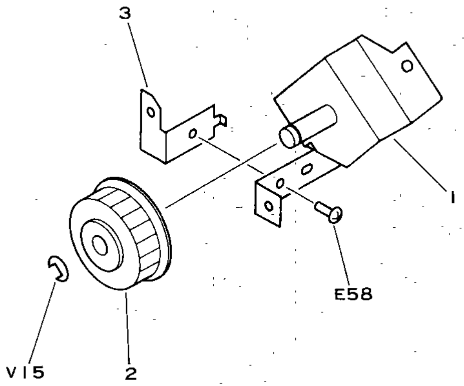


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
295 –	NPN		RF	PULLEY ASSEMBLY ブーリブ	
1	FF1–6290–000		1	PLATE, SPINDLE アイドラバン	
2	FS1–3203–000		1	PULLEY, 22T 22T ブーリ	
3	FA4–1150–000		1	MOUNT, CHAIN GUIDE チエーン ガイド ササエ	

FIGURE 300 A4R, B5R, LTR-R CASSETTE
A4R, B5R, レターRカセット

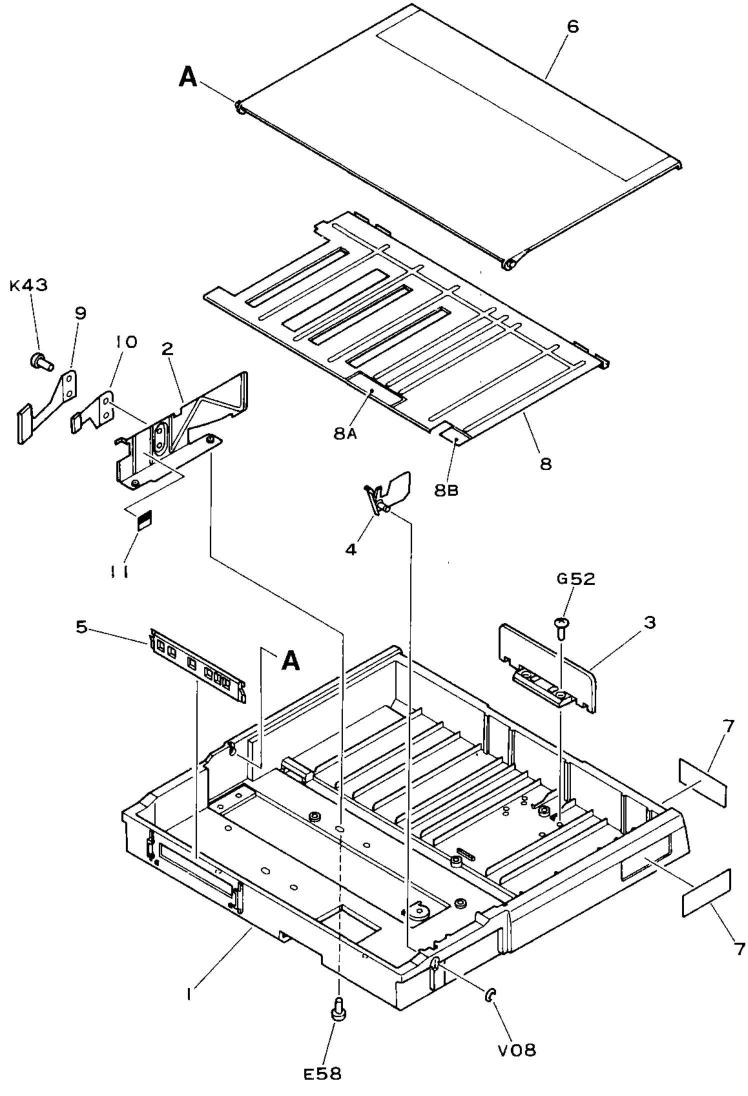

6
A
K43
9
10
2
8A
8
8B
4
11
G52
3
5
A
7
7
1
V08
E58

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
300 –	NPN		RF	A4R, B5R, LTR–R, CASSETTE ｶｾｯﾄ	
1	FA3–9552–060	N	1	BODY, CASSETTE, S ｶｾｯﾄ ｵｹ (S)	
2	FF1–7915–020		1	PLATE, SIZE, REAR ｻｲﾄﾞ ｷｾｲ ﾊﾞﾝ	
3	FA3–9562–020		1	PLATE, SIZE, RIGHT ｳｼﾛ ｷｾｲ ﾊﾞﾝ	B5R,LTR–R
4	FF1–6845–020		1	GUIDE, FRONT ﾎｼﾞｮ ｶﾞｲﾄﾞ	
5	FA3–9566–020		1	PLATE, A4R ﾌﾟﾚｰﾄ (A4R)	A4R
	FA3–9569–020		1	PLATE, B5R ﾌﾟﾚｰﾄ (B5R)	B5R
	FA3–9573–020		1	PLATE, LTR–R ﾌﾟﾚｰﾄ (LTR–R)	LTR–R
6	FA3–9577–040		1	TOP COVER, CASSETTE, M ｶｾｯﾄ ﾌﾀ (M)	
7	FS4–8498–000	N	2	LABEL, A4R ﾒｲﾊﾝ A4R	A4R
	FS4–8501–000	N	2	LABEL, B5R ﾒｲﾊﾝ B5R	B5R
	FS4–8505–000	N	2	LABEL, LETTER ﾒｲﾊﾝ LETTER–R	LTR–R
8	FF1–5995–030		1	PLATE, PAPER LIFTING ﾅｶｲﾀ	
8A	FA3–9575–000		1	STRIP, FRICTION ﾌﾞﾝﾘ ｼｰﾄ	
8B	FA3–8777–000		1	STRIP, FRICTION ﾌﾞﾝﾘ ｼｰﾄ	
9	FA3–9559–030		1	GUIDE, A ｻｲﾄﾞ ｶﾞｲﾄﾞ A	
10	FA3–9559–000		1	SPRING, LEAF, SIDE GUIDE B ｻｲﾄﾞ ｵｻｴ ﾊﾞﾈ	
11	FS2–8070–000		1	LABEL ﾗﾍﾞﾙ	

FIGURE 301 A3, B4, LEDGER, LEGAL CASSETTE
A3, B4, レジャー，リーガルカセット

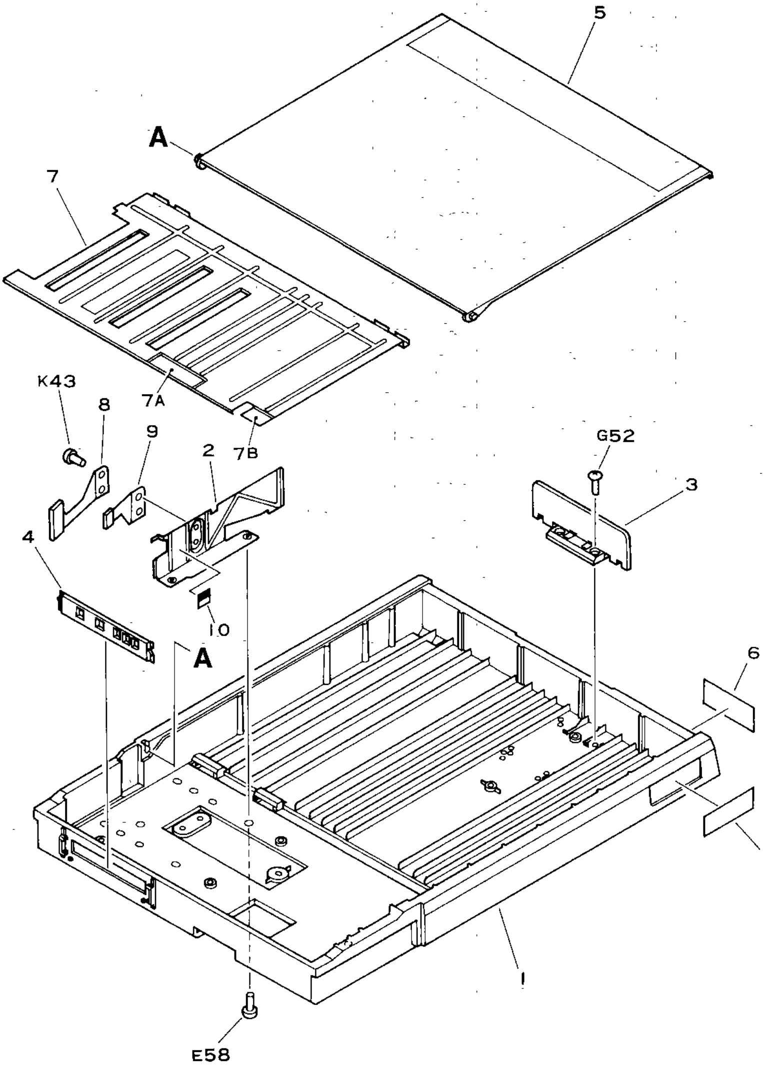

5
A
7
7A
7B
K43
8
9
2
G52
3
4
10
A
6
6
1
E58

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
301 –	NPN		RF	A3, B4, LDR, LGL, CASSETTE カセット	
1	FA3–9551–050	N	1	BODY, CASSETTE, L カセット オケ (L)	
2	FF1–7915–020		1	PLATE, SIZE, REAR サイド キセイ バン	
3	FA3–9562–020		1	PLATE, SIZE, RIGHT ウシロ キセイ バン	
4	FA3–9564–020		1	PLATE, A3 プレート (A3)	A3
	FA3–9567–020		1	PLATE, B4 プレート (B4)	B4
	FA3–9570–020		1	PLATE, LDR プレート (LDR)	LDR
	FA3–9571–020		1	PLATE, LGL プレート (LGL)	LGL
5	FA3–9576–040		1	TOP COVER, CASSETTE, L カセット フタ (L)	
6	FS4–8496–000	N	2	LABEL, A3 メイハン A3	A3
	FS4–8499–000	N	2	LABEL, B4 メイハン B4	B4
	FS4–8502–000	N	2	LABEL, LEDGER メイハン LEDGER	LDR
	FS4–8503–000	N	2	LABEL, LEGAL メイハン LEGAL	LGL
7	FF1–5995–030		1	PLATE, PAPER LIFTING ナカイタ	
7A	FA3–9575–000		1	STRIP, FRICTION ブンリ シート	
7B	FA3–8777–000		1	STRIP, FRICTION ブンリ シート	
8	FF1–5999–040		1	GUIDE, A サイド ガイド A	
9	FA3–9559–000		1	SPRING, LEAF, SIDE GUIDE B サイド オサエ バネ	
10	FS2–8070–000		1	LABEL ラベル	

FIGURE 302 A4, B5, LETTER, MINI CASSETTE
A4, B5, レター, ミニカセット

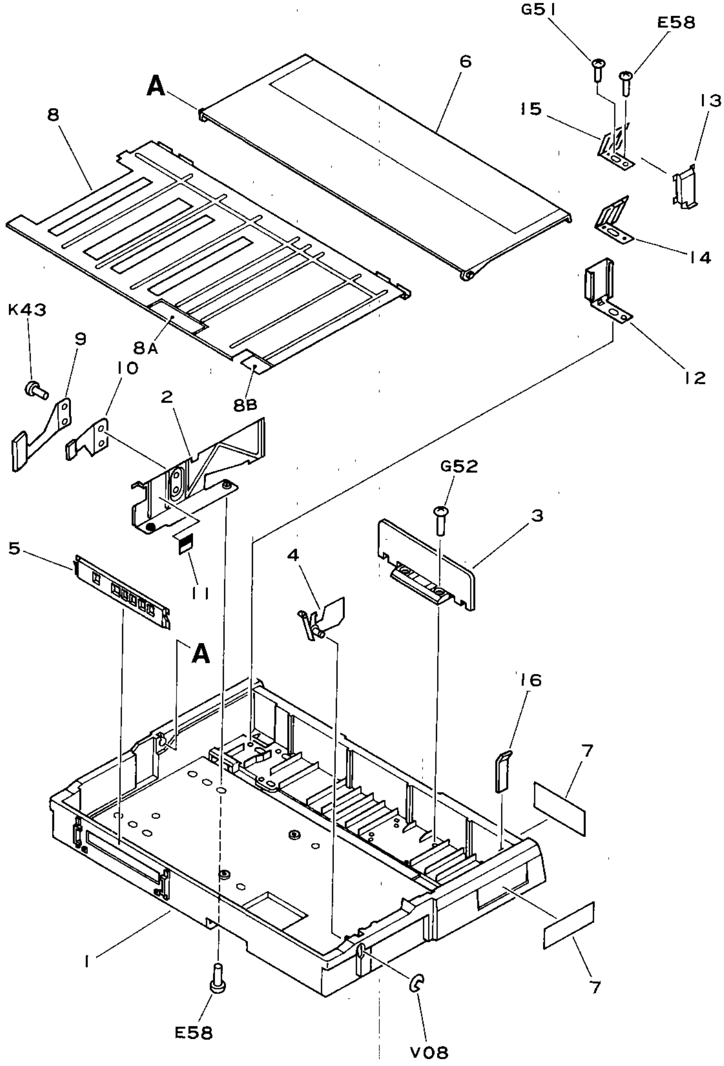

G51
E58
6
A
8
15
13
14
12
K43
9
10
8A
8B
2
G52
3
5
11
4
A
16
7
7
1
E58
V08

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
302 –	NPN		RF	A4, B5, LTR, MINI, CASSETTE カセット	
1	FA3-9553-060	N	1	BODY, CASSETTE, S カセット オケ (S)	
2	FF1-7915-020		1	PLATE, SIZE, REAR サイド キセイ バン	A4,LTR,MINI
	FF1-7916-020		1	PLATE, SIZE, REAR サイド キセイ バン	B5
3	FA3-9562-020		1	PLATE, SIZE, RIGHT ウシロ キセイ バン	
4	FF1-6845-020		1	GUIDE, FRONT ホジョ ガイド	
5	FA3-9565-020		1	PLATE, A4 プレート (A4)	A4
	FA3-9568-020		1	PLATE, B5 プレート (B5)	B5
	FA3-9572-020		1	PLATE, LTR プレート (LTR)	LTR
	FA3-9574-020		1	PLATE, MINI プレート (MINI)	MINI
6	FA3-9578-050		1	TOP COVER, CASSETTE, S フタ (S)	
7	FS4-8118-000	N	2	LABEL, MINI メイハン MINI	MINI
	FS4-8497-000		2	LABEL, A4 メイハン A4	A4
	FS4-8500-000	N	2	LABEL, B5 メイハン B5	B5
	FS4-8504-000	N	2	LABEL, LETTER メイハン LETTER	LTR
8	FF1-5995-030		1	PLATE, PAPER LIFTING ナカイタ	
8A	FA3-9575-000		1	STRIP, FRICTION ブンリ シート	
8B	FA3-8777-000		1	STRIP, FRICTION ブンリ シート	
9	FF1-5999-040		1	GUIDE, A サイド ガイド A	
10	FA3-9559-040		1	SPRING, LEAF, SIDE GUIDE B サイド オサエ バネ	
11	FS2-8070-000		1	LABEL ラベル	
12	FA3-9581-000		1	HOLDER, GUIDE ガイド ホルダ	A4,B5,LTR
13	FA3-9582-030		1	PLATE, PAPER CONTACT カセット サイド オサエ	A4,B5,LTR
14	FA3-9583-000		1	SPRING, LEAF サイド オサエ バネ	A4,B5,LTR
15	FA3-9584-000		1	SPRING, LEAF サイド オサエ バネ	A4,B5,LTR
16	FA3-9585-050		1	BRAKE, CASSTTE ブレーキ	A4,B5,LTR

FIGURE 303 U-L CASSETTE
U-Lカセット

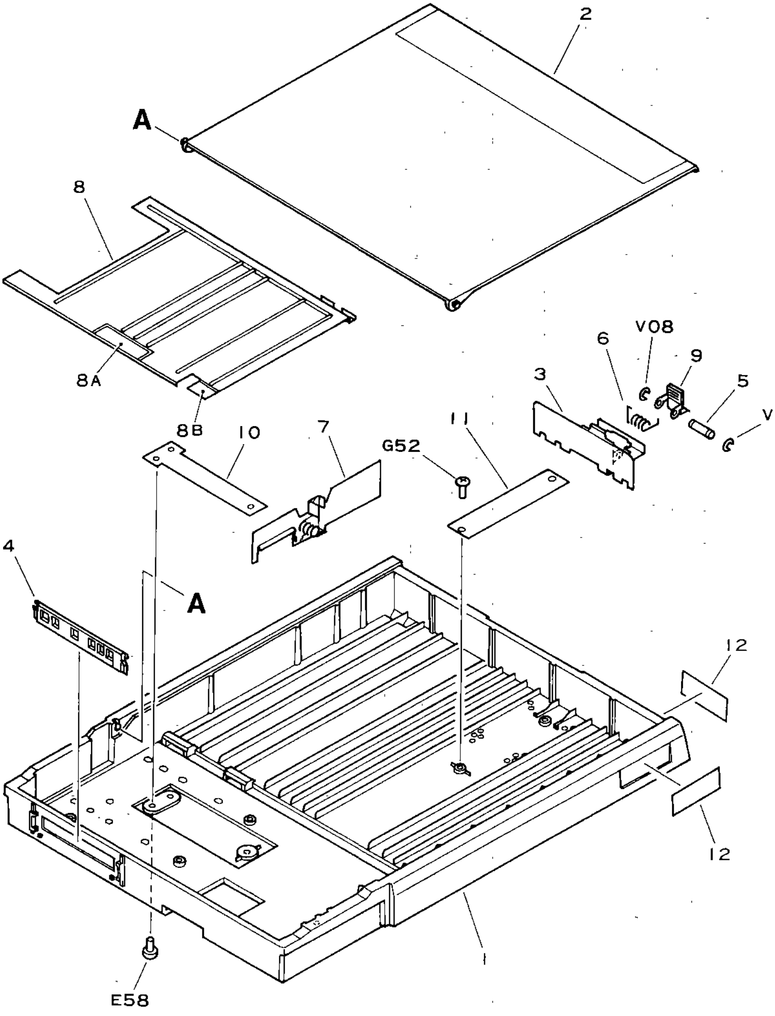

2
A
8
8A
8B
10
7
G52
11
3
6
V08
9
5
V08
4
A
12
12
1
E58

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
303 –	NPN		RF	U(L), CASSETTE カセット	
1	FA3–9551–050	N	1	BODY, CASSETTE, L カセット オケ (L)	
2	FA3–9576–040		1	TOP COVER, CASSETTE, L カセット フタ (L)	
3	FA3–9591–000		1	PLATE, LENGTH ADJUSTMENT, END コウタン キセイバン	
4	FA3–9594–020		1	PLATE, U(L) ブレート U(L)	
5	FA1–5358–000		1	PIN ジク	
6	FS1–2119–000		1	SPRING, TORSION ネジリバネ	
7	FF1–5994–000		1	PLATE, WIDTH ADJUSTMENT カドウ ソクバン	
8	FF1–5996–000		1	PLATE, PAPER LIFTING ナカイタ	
8A	FA3–9575–000		1	STRIP, FRICTION ブンリ シート	
8B	FA3–8777–000		1	STRIP, FRICTION ブンリ シート	
9	FF1–5998–000		1	RELEASE, LATCH セイドウ レバー (ウシロ)	
10	FF1–6680–000		1	GUIDE, WIDTH ADJ. PLATE マエ レール U(L)	
11	FF1–6682–000		1	GUIDE, LENGTH ADJ. PLATE ウシロ レール	
12	FS4–8470–000		2	LABEL, U(L) メイハン U(L)	

FIGURE 304 U-S CASSETTE
U-Sカセット

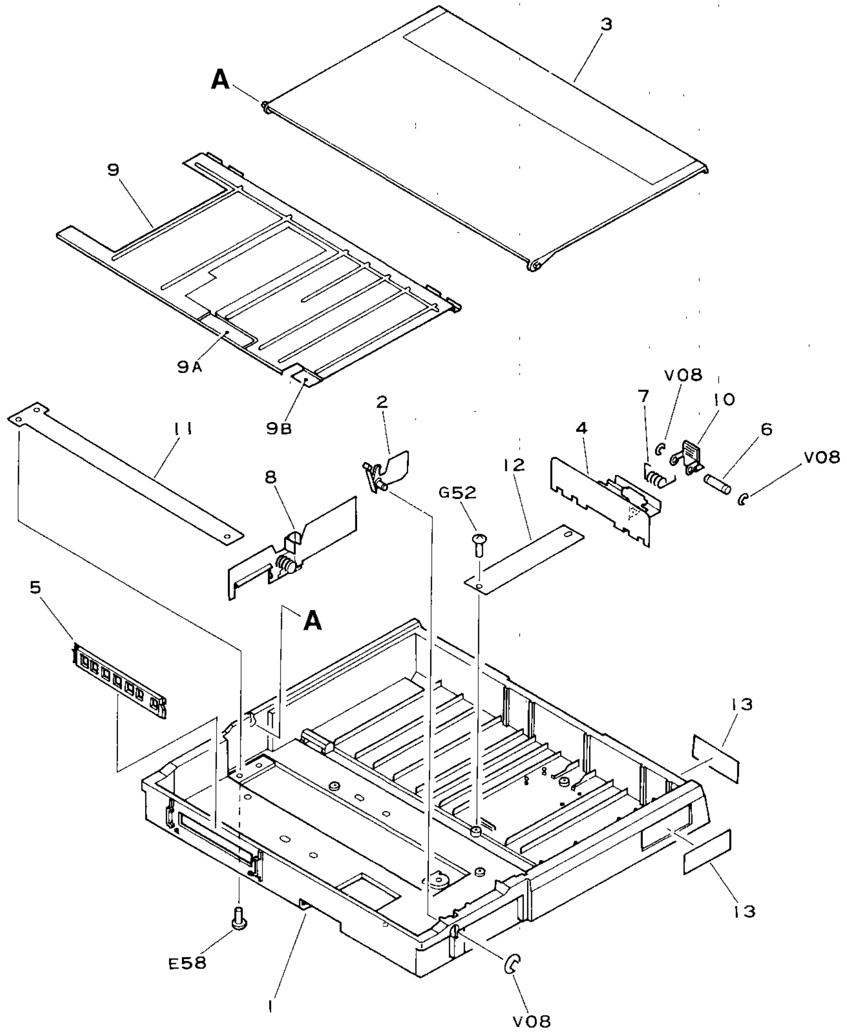
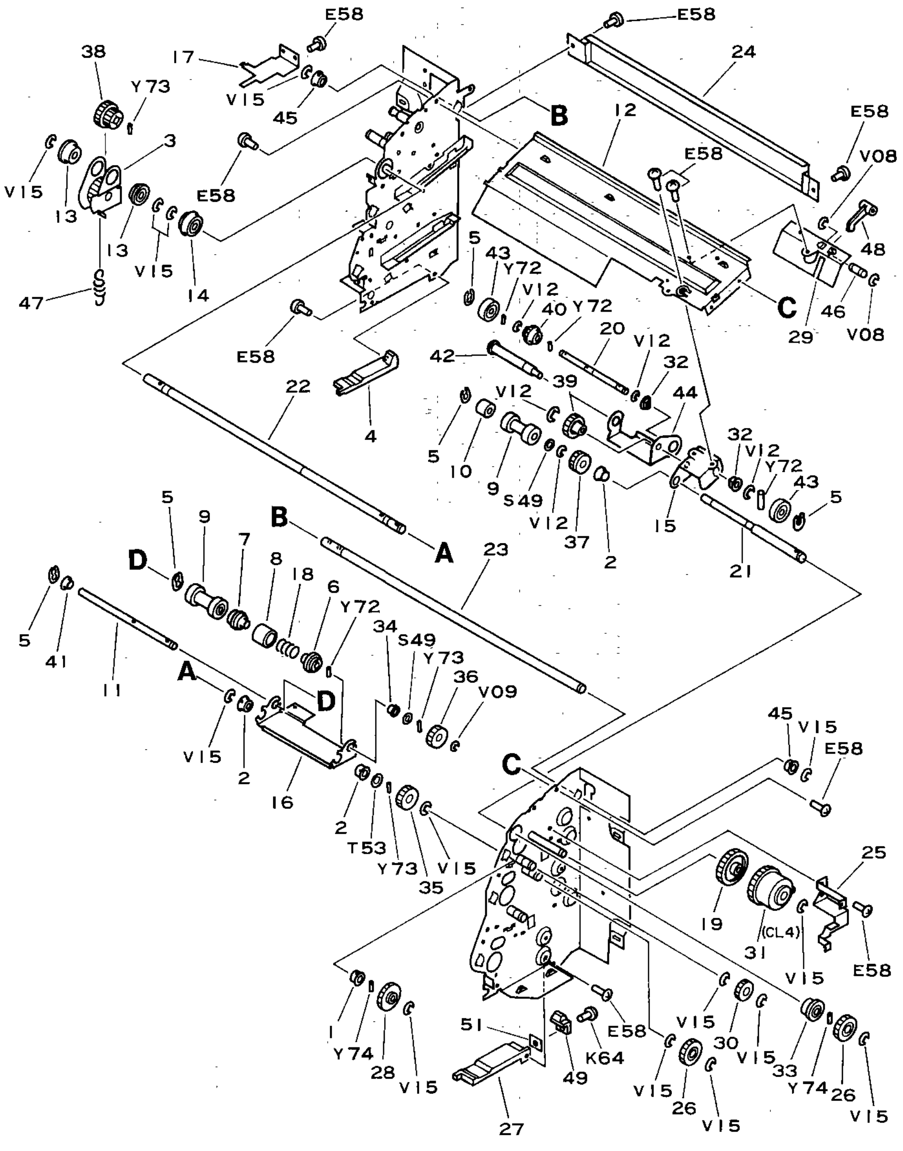

3
A
9
9A
9B
11
2
V08
7
10
4
6
V08
12
G52
8
5
A
13
13
E58
1
V08

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
304 –	NPN		RF	U(S), CASSETTE カセット	
1	FA3–9552–060	N	1	BODY, CASSETTE, S カセット オケ (S)	
2	FF1–6845–020		1	GUIDE, FRONT ホジヨ ガイド	
3	FA3–9577–040		1	TOP COVER, CASSETTE, M カセット フタ (M)	
4	FA3–9591–000		1	PLATE, LENGTH ADJUSTMENT, END コウタン キセイバン	
5	FA3–9595–020		1	PLATE, U(S) プレート U(S)	
6	FA1–5358–000		1	PIN ジク	
7	FS1–2119–000		1	SPRING, TORSION ネジリバネ	
8	FF1–5994–000		1	PLATE, WIDTH ADJUSTMENT カドウ ソクバン	
9	FF1–5997–000		1	PLATE, PAPER LIFTING ナカイタ	
9A	FA3–9575–000		1	STRIP, FRICTION ブンリ シート	
9B	FA3–8777–000		1	STRIP, FRICTION ブンリ シート	
10	FF1–5998–000		1	RELEASE, LATCH セイドウ レバー (ウシロ)	
11	FF1–6681–000		1	GUIDE, WIPTH ADJ. PLATE マエ レール U(S)	
12	FF1–6682–000		1	GUIDE, LENGTH ADJ. PLATE ウシロ レール	
13	FS4–8471–000		2	LABEL, U(S) メイハン U(S)	

FIGURE 320 CASSETTE HOLDER ASSEMBLY (UPPER)
給紙台（上）


E58
E58
38
17
24
Y73
V15
45
B
12
E58
3
E58
V08
V15
13
E58
13
48
5
43
Y72
V15
14
47
V12
40
Y72
C
46
29
V08
20
V12
E58
42
32
22
V12
39
44
4
32
V12
5
10
9
S49
Y72
43
5
V12
37
2
15
21
5
9
B
7
A
23
D
8
18
6
Y72
5
41
11
34
S49
Y73
36
V09
A
D
V15
2
16
45
V15
E58
C
2
T53
Y73
V15
35
25
19
31
(CL4)
E58
V15
1
Y74
28
V15
51
E58
K64
49
V15
30
V15
33
Y74
26
V15
26
V15
27

NOTE : This assembly comes with all the parts shown in Figures 320 through 323.

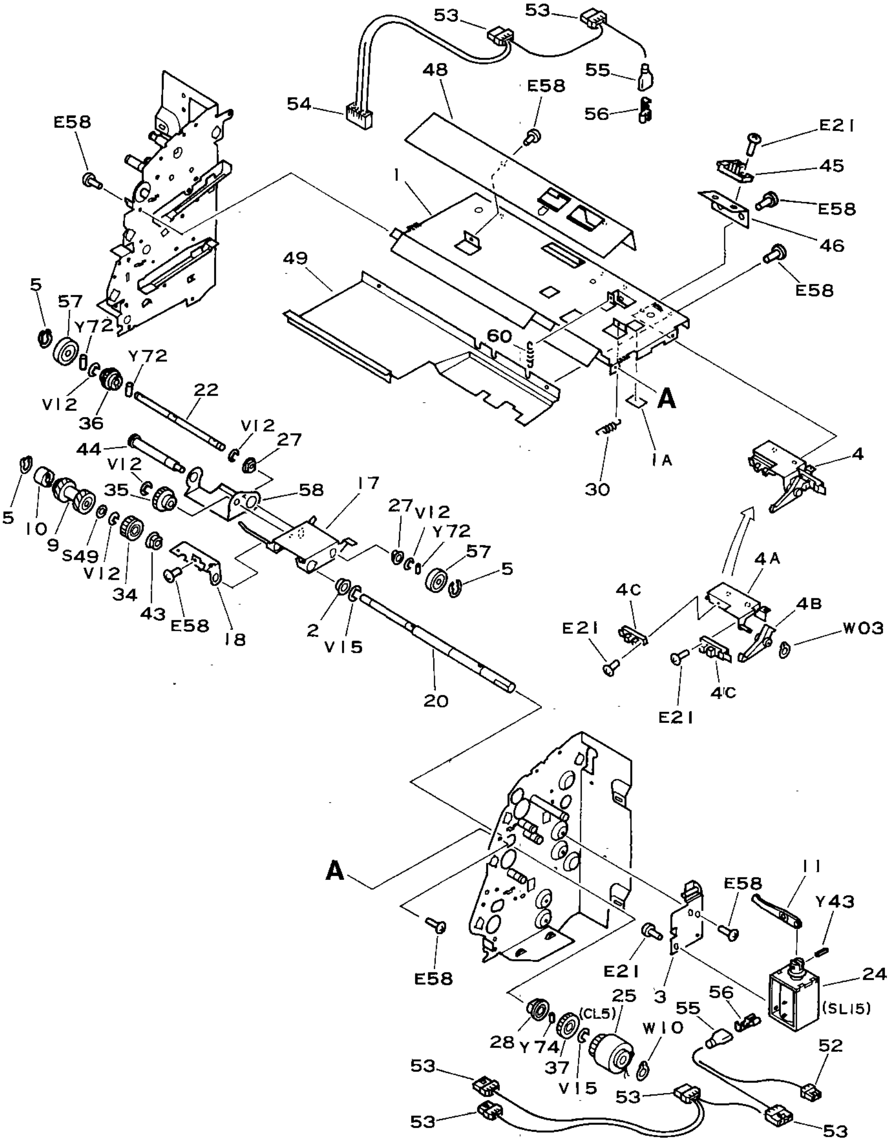
注：このユニットはFigure 320～323の全てのパーツで構成されている。

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
320 –	FG1–5123–220	N	1	CASSETTE HOLDER ASS'Y キユウシ ダ イ	
1	FS1–1510–000		1	BUSHING, 8X4 ジ クウケ, 8X4	
2	FS1–1509–000		3	BUSHING, 8X6 ジ クウケ, 8X6	
3	FF1–6244–000		1	ARM, GEAR MOUNTING ニユウリヨク ヨウド ウ バ ン	
4	FA3–8721–030		1	POSITIONING PLATE, CASSETTE カセツト イチギ メ	
5	FA3–8727–000		5	RETAINING RING トメ ワ	
6	FA3–8728–000		1	DRUM, CLUTCH DRIVEN クラツチ ド ラム	
7	FA3–8729–000		1	DRUM, CLUTCH DRIVING クラツチ ド ラム	
8	FA3–8730–000		1	HOLDER, SPRING クラツチ ケース	
9	FA3–8733–020		2	ROLLER B Bローラ	
10	FA3–8734–000		1	BEARING, ROLLER B Bローラ カラー	
11	FA3–8745–000		1	SHAFT, ROLLER C, UPPER ウエ Cローラジ ク	
12	FA4–0403–000	N	1	PLATE, UPPER ウエ ステー	
13	XG9–0094–000		2	BEARING, BALL ボ ール ベ アリング	
14	XG9–0013–000		1	BEARING, BALL ボ ール ベ アリング	
15	FA4–0415–000		1	MOUNT, MULTI FEED ROLLER テザ シ シバ ン	
16	FA4–0416–000		1	PLATE, MULTI FEED ROLLER テザ シ シバ ン (C)	
17	FA4–0426–000		1	PLATE カアツ バ ン	
18	FS2–2307–000		1	SPRING, TORSION ネジ リ バ ネ	
19	FS2–0548–000		1	GEAR, 37T 37T ギ ア	
20	FA4–0430–000		1	SHAFT, MULTI FEED, A テザ シ ジ ク (A)	
21	FA4–0431–000		1	SHAFT, MULTI FEED, B テザ シ ジ ク (B)	
22	FA4–0432–000		1	SHAFT, MULTI FEED, C テザ シ ジ ク (C)	
23	FA4–0434–000		1	SHAFT, MULTI FFED テザ シ カアツ ジ ク	
24	FA4–0439–000		1	COVER, RIGHT ミギ カバ ー	
25	FA4–0441–000		1	PLATE, CLUTCH, FRONT クラツチ マワリド メ (マエ)	
26	FS2–0544–000		2	GEAR, 24T 24T ギ ア	
27	FA3–8720–030		1	POSITIONING PLATE, CASSETTE カセツト イチギ メ (マエ シタ)	
28	FS2–0545–000		1	GEAR, 28T 28T ギ ア	
29	FA4–0447–000		1	GUIDE, MULTI FEED ROLLER テザ シローラ ガ イド	
30	FS2–0546–000		1	GEAR, 18T 18T ギ ア	
31	FH7–5126–000		1	CLUTCH, ELECTROMAGNETIC デ ンジ クラツチ	
32	FS1–1205–000		2	BUSHING ブ ツシング	
33	FS1–1450–000		1	BUSHING ブ ツシング	
34	FS1–1508–000		1	BUSHING ブ ツシング	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
320 – 35	FS2–0439–000		1	GEAR, 22T 22T ｷﾞｱ	
36	FS2–0440–000		1	GEAR, 18T 18T ｷﾞｱ	
37	FS2–0442–000		1	GEAR, 15T 15T ｷﾞｱ	
38	FS2–0539–000		1	GEAR, 24T/18T 24T/18T ｷﾞｱ	
39	FS2–0543–000		1	GEAR, 21T 21T ｷﾞｱ	
40	FS2–0444–000		1	GEAR, 16T 16T ｷﾞｱ	
41	FS1–1213–000		1	BUSHING ｼﾞｸｳｹ	
42	FS1–9164–020		1	SCREW, STEPPED ﾀﾞﾝﾋﾞｽ	
43	FF9–0581–030		2	ROLLER, A A ﾛｰﾗ	
44	FA4–0449–000		1	COVER, GEAR ｷﾞｱ ｶﾊﾞｰ (ﾃｻﾞｼ)	
45	FS1–1449–000		2	BUSHING ﾌﾞｯｼﾝｸﾞ	
46	FA1–9844–000		1	PIN ﾌﾞﾚｰﾄﾞ ﾚﾊﾞｰｼﾞｸ	
47	97–5627–000		1	SPRING, TENSION ﾋｯﾊﾟﾘ ﾊﾞﾈ	
48	FA4–0480–000	N	1	ARM, SENSING ｹﾝﾁ ﾚﾊﾞｰ	
49	FA3–8781–000		1	SUPPORT, CASSETTE ｶｾｯﾄ ﾁﾖｳｾｲ ｺﾏ	
51	FA4–0453–000		1	SPACER ｽﾍﾟｰｻ	

FIGURE 321 CASSETTE HOLDER ASSEMBLY (MIDDLE) (½)

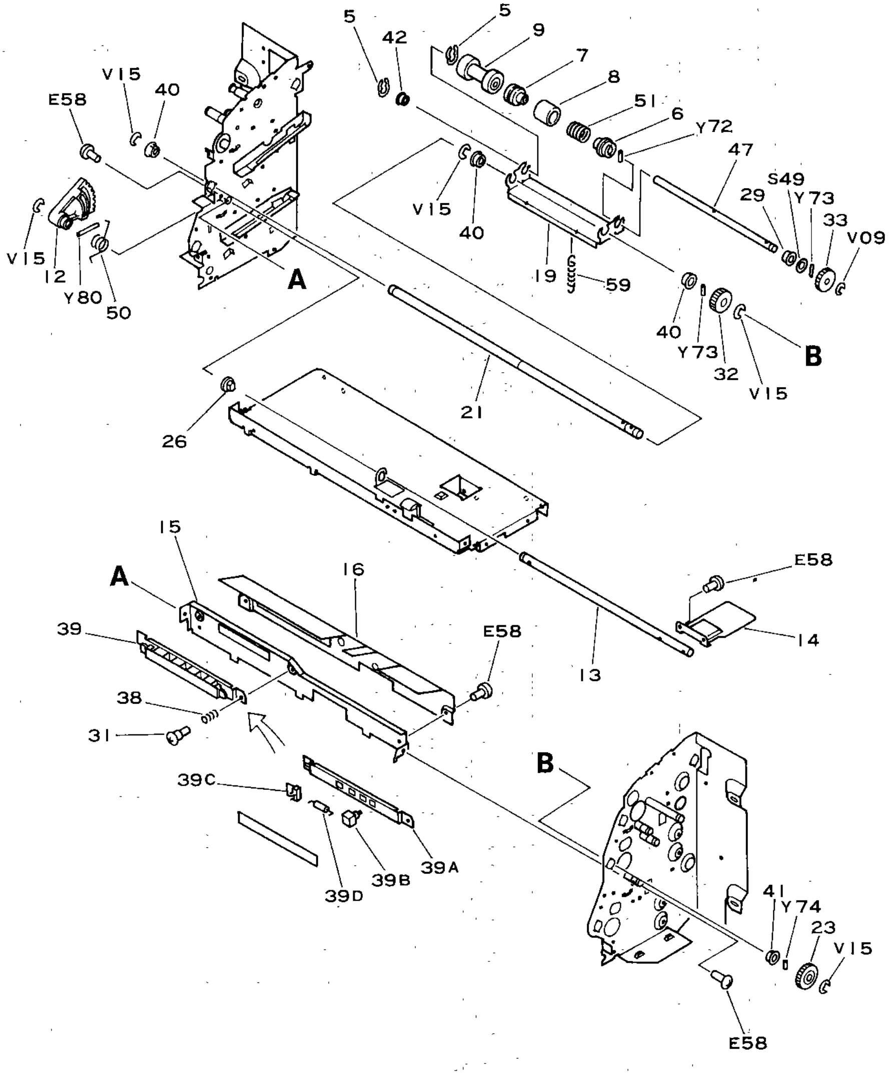
給紙台（中）(½)


53
53
48
55
E58
56
54
E58
E21
45
E58
1
46
49
E58
5
57
Y72
60
Y72
A
V12
22
36
V12
27
1A
4
44
V12
30
35
58
17
5
10
27
V12
9
Y72
S49
57
V12
5
4A
34
4C
4B
43
E58
18
E21
W03
2
V15
4C
E21
20
A
11
E58
Y43
E58
E21
24
3
25
(CL5)
56
(SL15)
55
W10
28
Y74
52
37
V15
53
53
53
53
53

NOTE : This assembly comes with all the parts shown in Figures 320 through 323.

注：このユニットはFigure 320～323の全てのパーツで構成されている。

FIGURE 321 CASSETTE HOLDER ASSEMBLY (MIDDLE) (2/2)
給紙台（中）(2/2)


5
42
5
9
7
8
51
6
Y72
47
S49
29
Y73
33
V09
V15
E58
40
V15
40
19
59
40
Y73
32
V15
B
V15
12
Y80
50
A
21
26
15
16
A
39
38
31
E58
E58
14
13
39C
39A
39B
39D
B
41
Y74
23
V15
E58

NOTE : This assembly comes with all the parts shown in Figures 320 through 323.

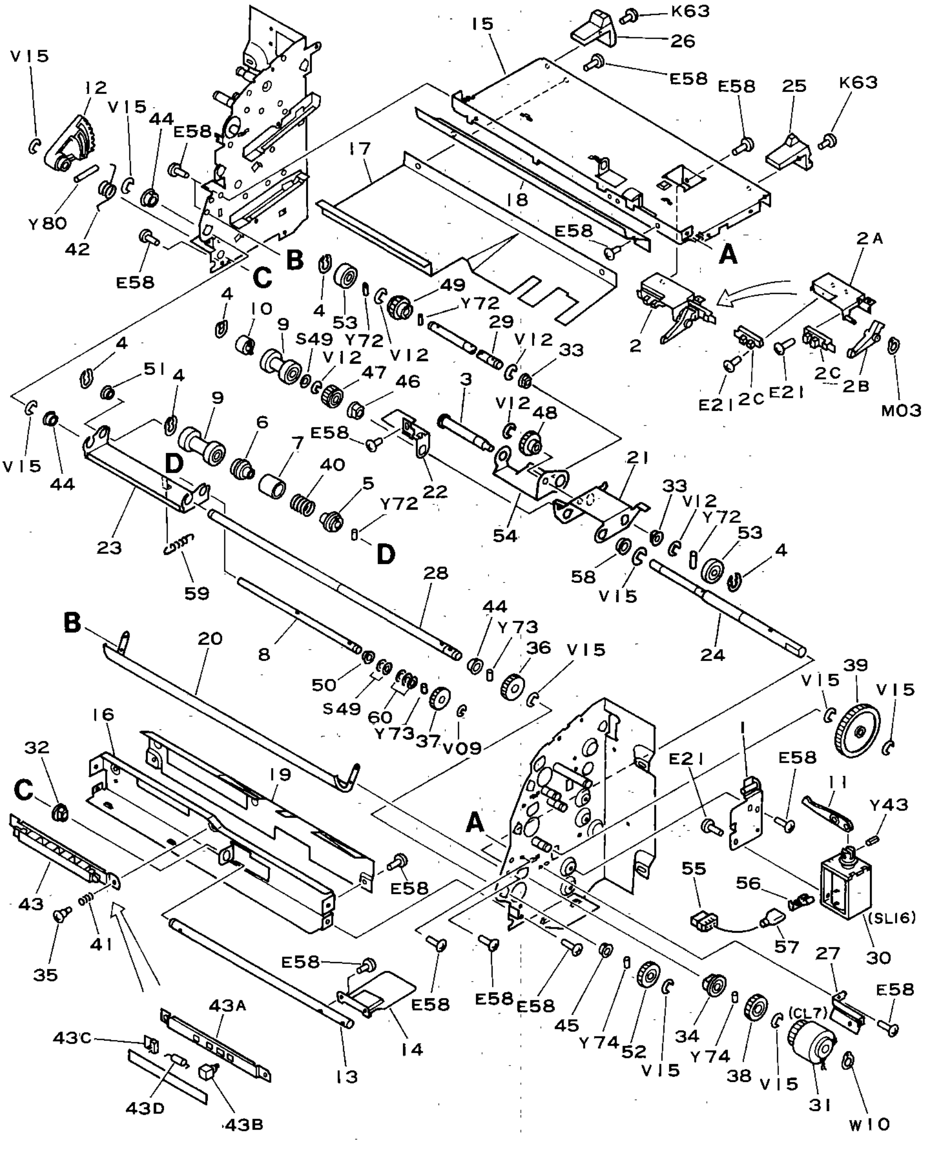
注：このユニットはFigure 320～323の全てのパーツで構成されている。

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
321 —	FG1-5123-220	N	1	CASSETTE HOLDER ASS'Y ｷﾕｳｼ ﾀﾞｲ	
1	FF1-6242-040	N	1	BASE, CASSETTE HOLDER, MIDDLE ﾅｶ ｽﾃｰ	
1A	FA4-0452-000	N	1	CUSHION ﾘﾌﾀ ｸﾂｼﾖﾝ	
2	FS1-1449-000		1	BUSHING ﾌﾞﾂｼﾝｸﾞ	
3	FF1-6281-000		1	MOUNT, SOLENOID ｿﾚﾉｲﾄﾞ ﾀﾞｲ	
4	FG1-5124-000		1	PAPER, SENSING UNIT ｶﾐ ｹﾝﾁ ﾕﾆﾂﾄ	
4A	FF1-6246-000		1	MOUNT, SENSOR ｾﾝｻ ﾀﾞｲ	
4B	FA4-0426-000		1	PLATE ｶｱﾂ ﾊﾞﾝ	
4C	FH7-7081-000		2	PHOTO-INTERRUPTER UNIT ﾌｵﾄｲﾝﾀﾗﾌﾞﾀ ﾕﾆﾂﾄ	
5	FA3-8727-000		5	RETAINING RING ﾄﾒ ﾜ	
6	FA3-8728-000		1	DRUM, CLUTCH DRIVEN ｸﾗﾂﾁ ﾄﾞﾗﾑ	
7	FA3-8729-000		1	DRUM, CLUTCH DRIVING ｸﾗﾂﾁ ﾄﾞﾗﾑ	
8	FA3-8730-000		1	HOLDER, SPRING ｸﾗﾂﾁ ｹｰｽ	
9	FA3-8733-020		2	ROLLER B Bﾛｰﾗ	
10	FA3-8734-000		1	BEARING, ROLLER B Bﾛｰﾗ ｶﾗｰ	
11	FA3-8754-020		1	ARM, SOLENOID, LOWER Aｿﾚﾉｲﾄﾞ ｱｰﾑ (ｼﾀ)	
12	FA3-8763-020		1	GEAR, SECTOR ｾﾝｹｲ ｷﾞｱ	
13	FA3-8764-000		1	SHAFT, LIFTING PLATE ｶｱﾂ ｼﾞｸ	
14	FA3-8765-000		1	PLATE, LIFTING ｶｱﾂ ﾊﾞﾝ	
15	FA4-0406-030		1	SWITCH MOUNT, UPPER ｳｴ ｽｲﾂﾁﾀﾞｲ	
16	FA4-0410-050		1	LOWER GUIDE, UPPER ｼﾞﾖｳﾀﾞﾝ ｼﾀ ｶﾞｲﾄﾞ	
17	FA4-0417-020		1	PLATE, UPPER, A ｳｴ ｼﾊﾞﾝ (A)	
18	FA4-0418-000		1	PLATE, UPPER, B ｳｴ ｼﾊﾞﾝ (B)	
19	FA4-0419-000		1	PLATE, UPPER, C ｳｴ ｼﾊﾞﾝ (C)	
20	FA4-0433-020		1	SHAFT, B ｼﾞﾖｳｹﾞﾀﾞﾝ Bｼﾞｸ	
21	FA4-0443-000		1	SHAFT, DRIVE, C ｸﾄﾞｳｼﾞｸ (C)	
22	FA4-0444-000		1	SHAFT, A ｼﾞﾖｳｹﾞﾀﾞﾝｼﾞｸ (A)	
23	FS2-0545-000		1	GEAR, 28T 28T ｷﾞｱ	
24	FH7-5030-030		1	SOLENOID, 24VDC ｿﾚﾉｲﾄﾞ	
25	FH7-5082-000		1	CLUTCH, ELECTROMAGNETIC ﾃﾞﾝｼﾞ ｸﾗﾂﾁ	
26	FS1-1156-000		1	BUSHING ﾌﾞﾂｼﾝｸﾞ	
27	FS1-1205-000		2	BUSHING ﾌﾞﾂｼﾝｸﾞ	
28	FS1-1450-000		1	BUSHING ﾌﾞﾂｼﾝｸﾞ	
29	FS1-1508-000		1	BUSHING ﾌﾞﾂｼﾝｸﾞ	
30	FS1-2597-000		2	SPRING, TENSION ﾋﾂﾊﾟﾘ ﾊﾞﾈ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
321 – 31	FS1–9051–000		2	SCREW, STEPPED ダンビス	
32	FS2–0439–000		1	GEAR, 22T 22T ギア	
33	FS2–0440–000		1	GEAR, 18T 18T ギア	
34	FS2–0442–000		1	GEAR, 15T 15T ギア	
35	FS2–0443–000		1	GEAR, 19T 19T ギア	
36	FS2–0444–000		1	GEAR, 16T 16T ギア	
37	FS2–0544–000		1	GEAR, 24T 24T ギア	
38	FS2–2316–000		2	SPRING, COMPRESSION キースイツチ バネ	
39	FG1–4680–000		1	CASSETT DETECTION ASSEMBLY カセツト サイズ ケンチ	
39A	FA3–8768–000		1	MOUNT, PUSH SWITCH スイツチ ダイ	
39B	WC8–0034–000		4	SWITCH, PUSH ブツシユ スイツチ	
39C	WS3–0533–000		2	PIN ASSEMBLY, 6P ピン アセンブリ	
39D	X65–5032–000		4	DIODE, 1S1588 ダイオード	
40	FS1–1509–000		3	BUSHING, 8X6 ジクウケ, 8X6	
41	FS1–1510–000		1	BUSHING, 8X4 ジクウケ, 8X4	
42	FS1–1213–000		1	BUSHING ジクウケ	
43	FS1–1465–000		1	BUSHING ブツシング	
44	FS1–9164–020		1	SCREW, STEPPED ダンビス	
45	FH7–7081–000		1	PHOTO–INTERRUPTER UNIT フオトインタラプタ ユニツト	
46	FA4–0479–000		1	MOUNT, SENSOR センサ ダイ	
47	FA3–8731–000		1	SHAFT, ROLLER C, LOWER Cローラ ジク (シタ)	
48	FA4–0408–020		1	GUIDE MANUAL, LOWER シタ テザシガイド	
49	FA4–0409–030		1	UPPER GUIDE, UPPER ジヨウダン ウエ ガイド	
50	FS2–2343–000		1	SPRING, TORSION ネジリバネ	
51	FS2–2307–000		1	SPRING, TORSION ネジリバネ	
52	VS1–0192–002		1	CONNECTOR, 2P コネクタ	
53	VS1–0192–003		6	CONNECTOR, 3P コネクタ	
54	VS1–0441–028		1	CONNECTOR コネクタ	
55	WT1–0026–000		4	SLEEVE, FASTON 110 フアストン スリーブ	
56	X62–5370–000		4	SOCKET, FASTON 110, 20–24AWG フアストン	
57	FF9–0581–030		2	ROLLER, A A ローラ	
58	FA4–0450–000		1	COVER, GEAR, UPPER ギア カバー (ウエ)	
59	FS2–2448–000		1	SPRING, TENSION ヒツパリバネ	
60	FS2–2451–000		1	SPRING, TENSION ヒツパリバネ	

FIGURE 322 CASSETTE HOLDER ASSEMBLY (LOWER)

給紙台（下）



V15
12
V15
44
E58
Y80
42
E58
B
C
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K63
26
E58
E58
25
K63
17
18
E58
A
2A
2
2C
E21
E21
2C
E21
2C
2B
M03
4
53
Y72
V12
49
Y72
29
V12
33
4
10
9
S49
V12
47
46
3
V12
48
4
51
4
9
6
E58
7
40
22
5
Y72
V15
44
D
23
59
D
21
54
33
V12
Y72
53
4
58
V15
28
24
B
20
8
50
S49
60
Y73
37
V09
44
Y73
36
V15
39
V15
V15
16
19
32
C
43
35
41
E58
A
E21
1
E58
11
Y43
55
56
57
(SL16)
30
43A
43C
43D
43B
E58
14
13
E58
E58
E58
45
Y74
52
V15
34
Y74
38
V15
(CL7)
31
W10
27
E58

NOTE : This assembly comes with all the parts shown in Figures 320 through 323.

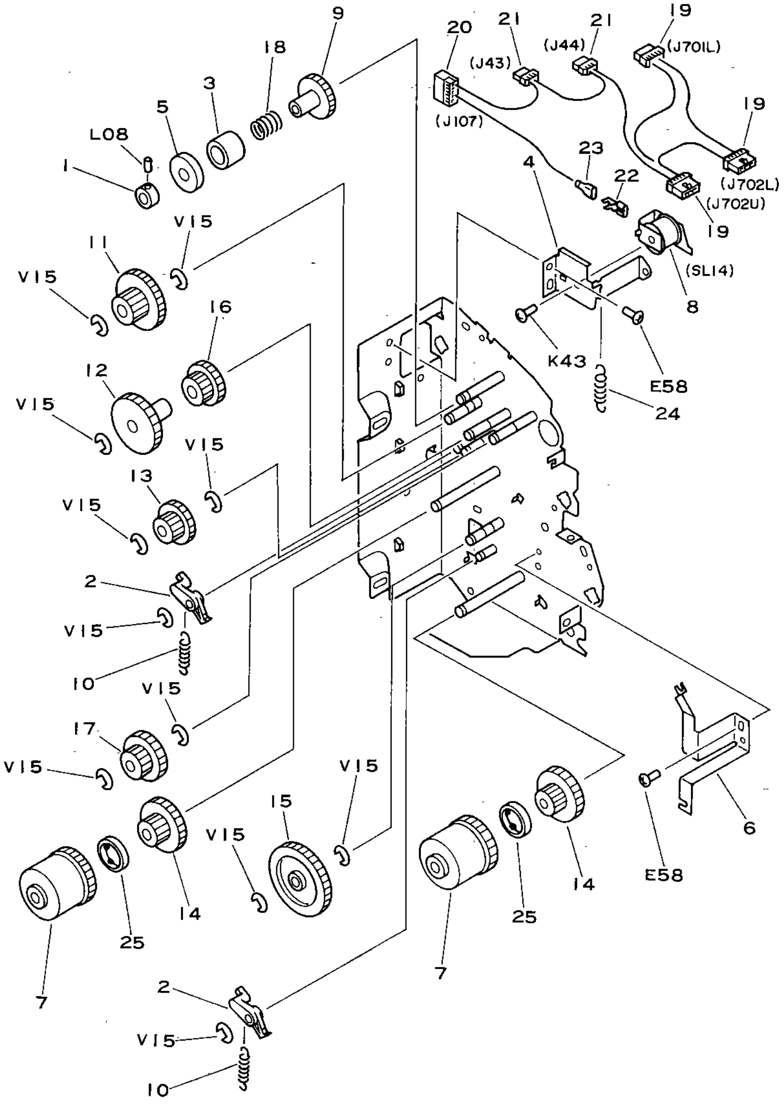
注：このユニットはFigure 320～323の全てのパーツで構成されている。

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
322 –	FG1–5123–220	N	1	CASSETTE HOLDER ASS'Y キユウシ ダ イ	
1	FF1–6281–000		1	MOUNT, SOLENOID ソレノイド ダ イ	
2	FG1–5124–000		1	PAPER, SENSING UNIT カミ ケンチ ユニット	
2A	FF1–6246–000		1	MOUNT, SENSOR センサ ダ イ	
2B	FA4–0462–000		1	ARM カミ ケンチ アーム	
2C	FH7–7081–000		2	PHOTO–INTERRUPTER UNIT フオトインタラプ タ ユニット	
3	FS1–9164–020		1	SCREW, STEPPED ダ ンビ ス	
4	FA3–8727–000		5	RETAINING RING トメ ワ	
5	FA3–8728–000		1	DRUM, CLUTCH DRIVEN クラツチ ド ラム	
6	FA3–8729–000		1	DRUM, CLUTCH DRIVING クラツチ ド ラム	
7	FA3–8730–000		1	HOLDER, SPRING クラツチ ケース	
8	FA3–8731–000		1	SHAFT, ROLLER C, LOWER Cローラ ジ ク (シタ)	
9	FA3–8733–020		2	ROLLER B Bローラ	
10	FA3–8734–000		1	BEARING, ROLLER B Bローラ カラー	
11	FA3–8754–020		1	ARM, SOLENOID, LOWER Aソレノイド アーム (シタ)	
12	FA3–8763–020		1	GEAR, SECTOR センケイ ギ ア	
13	FA3–8764–000		1	SHAFT, LIFTING PLATE カアツ ジ ク	
14	FA3–8765–000		1	PLATE, LIFTING カアツ バ ン	
15	FF1–6344–000	N	1	BASE, CASSETTE HOLDER LOWER シタ ステー	
16	FA4–0407–000		1	SWITCH MOUNT, LOWER シタ スイツチダ イ	
17	FA4–0411–000		1	UPPER GUIDE, LOWER, 1 ゲ ダ ン ウエ ガ イド (1)	
18	FA4–0412–000		1	UPPER GUIDE, LOWER, 2 ゲ ダ ン ウエ ガ イド (2)	
19	FA4–0413–050		1	LOWER GUIDE, LOWER, 1 ゲ ダ ン シタ ガ イド (1)	
20	FA4–0414–000		1	LOWER GUIDE, LOWER, 2 ゲ ダ ン シタ ガ イド (2)	
21	FA4–0420–020		1	PLATE, LOWER, A シタ シバ ン (A)	
22	FA4–0421–000		1	PLATE, LOWER, B シタ シバ ン (B)	
23	FA4–0422–000		1	PLATE, LOWER, C シタ シバ ン (C)	
24	FA4–0433–020		1	SHAFT, B ジ ヨウゲ ダ ン B ジ ク	
25	FA4–0436–020		1	PLATE, CASSETTE POSITIONING カセツトイチギ メ (ウエ)	
26	FA4–0437–020		1	PLATE, CASSETTE POSITIONING カセツトイチギ メ (ウエ)	
27	FA4–0440–000		1	PLATE, CLUTCH, STOP, FRONT クラツチ マワリド メ (マエ)	
28	FA4–0443–000		1	SHAFT, DRIVE, C クド ウ ジ ク (C)	
29	FA4–0444–000		1	SHAFT, A ジ ヨウゲ ダ ン ジ ク (A)	
30	FH7–5030–030		1	SOLENOID, 24VDC ソレノイド	
31	FH7–5082–000		1	CLUTCH, ELECTROMAGNETIC デ ンジ クラツチ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
322 – 32	FS1–1156–000		1	BUSHING ブツシング	
33	FS1–1205–000		2	BUSHING ブツシング	
34	FS1–1450–000		1	BUSHING ブツシング	
35	FS1–9051–000		2	SCREW, STEPPED ダンビス	
36	FS2–0439–000		1	GEAR, 22T 22T ギア	
37	FS2–0440–000		1	GEAR, 18T 18T ギア	
38	FS2–0544–000		1	GEAR, 24T 24T ギア	
39	FS2–0547–000		1	GEAR, 55T 55T ギア	
40	FS2–2307–000		1	SPRING, TORSION ネジリバネ	
41	FS2–2316–000		2	SPRING, COMPRESSION キースイッチバネ	
42	FS2–2343–000		1	SPRING, TORSION ネジリバネ	
43	FG1–4680–000		1	CASSETT DETECTION ASSEMBLY カセット サイズ ケンチ	
43A	FA3–8768–000		1	MOUNT, PUSH SWITCH スイッチダイ	
43B	WC8–0034–000		4	SWITCH, PUSH プッシュ スイッチ	
43C	WS3–0533–000		2	PIN ASSEMBLY, 6P ピンアセンブリ	
43D	X65–5032–000		4	DIODE, 1S1588 ダイオード	
44	FS1–1509–000		3	BUSHING, 8X6 ジクウケ, 8X6	
45	FS1–1510–000		1	BUSHING, 8X4 ジクウケ, 8X4	
46	FS1–1465–000		1	BUSHING ブツシング	
47	FS2–0442–000		1	GEAR, 15T 15T ギア	
48	FS2–0443–000		1	GEAR, 19T 19T ギア	
49	FS2–0444–000		1	GEAR, 16T 16T ギア	
50	FS1–1508–000		1	BUSHING ブツシング	
51	FS1–1213–000		1	BUSHING ジクウケ	
52	FS2–0545–000		1	GEAR, 28T 28T ギア	
53	FF9–0581–030		2	ROLLER, A A ローラ	
54	FA4–0451–000		1	COVER, GEAR ギアカバー (シタ)	
55	VS1–0192–002		1	CONNECTOR, 2P コネクタ	
56	X62–5370–000		2	SOCKET, FASTON 110, 20–24AWG ファストン	
57	WT1–0026–000		2	SLEEVE, FASTON 110 ファストン スリーブ	
58	FS1–1449–000		1	BUSHING ブツシング	
59	FS2–2448–000		1	SPRING, TENSION ヒッパリバネ	
60	XD1–1106–211		3	WASHER, SHIM シムワッシャ	

FIGURE 323 CASSETTE HOLDER ASSEMBLY (REAR)

給紙台（後）


9
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21
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(J43)
(J44)
(J701L)
5
L08
(J107)
19
1
23
4
22
(J702L)
(J702U)
V15
19
11
(SL14)
V15
16
8
K43
12
E58
V15
24
V15
13
V15
2
V15
10
V15
17
V15
V15
15
6
V15
E58
14
14
25
25
7
7
2
V15
10

NOTE : This assembly comes with all the parts shown in Figures 320 through 323.

注：このユニットはFigure 320～323の全てのパーツで構成されている。

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
323 –	FG1-5123-220	N	1	CASSETTE HOLDER ASS'Y ｷｭｳｼ ﾀﾞｲ	
1	87-4383-000		1	STOP, RAIL ﾚｰﾙ ｽﾄｯﾊﾟ	
2	FA3-8767-020		2	ARM, RELEASE, LOWER ｶｲｼﾞｮ ｱｰﾑ	
3	FA4-0245-000		1	RING, RATCHET ｾｲｷﾞｮｶﾝ	
4	FA4-0424-000		1	MOUNT, SOLENOID ﾃｻﾞｼ ｸﾗｯﾁﾀﾞｲ	
5	FA4-0425-000		1	CAM, CLUTCH ｸﾗｯﾁ ｶﾑ	
6	FA4-0442-000		1	PLATE, CLUTCH, REAR ｸﾗｯﾁ ﾏﾜﾘﾄﾞﾒ (ｳｼﾛ)	
7	FH7-5126-000		2	CLUTCH, ELECTROMAGNETIC ﾃﾞﾝｼﾞ ｸﾗｯﾁ	
8	FH7-5090-000		1	SOLENOID, 24VDC ｿﾚﾉｲﾄﾞ	
9	FS1-0701-000		1	GEAR (30T) 30T ｷﾞｱ	
10	FS1-2464-000		2	SPRING, TENSION ﾋｯﾊﾟﾘ ﾊﾞﾈ	
11	FS2-0455-000		1	GEAR, 18/34T 18T/37T ｷﾞｱ	
12	FS2-0457-000		1	GEAR, 37T 37T ｷﾞｱ	
13	FS2-0458-000		1	GEAR, 16/28T 16T/28T ｷﾞｱ	
14	FS2-0459-030		2	GEAR ﾗﾁｪｯﾄ ｷﾞｱ	
15	FS2-0537-000		1	GEAR, 48T 48T ｷﾞｱ	
16	FS2-0541-000		1	GEAR, 30T/20T 30T/20T ｷﾞｱ	
17	FS2-0542-000		1	GEAR, 32T/19T 32T/19T ｷﾞｱ	
18	FS2-2440-000		1	SPRING, TORSION ﾈｼﾞﾘ ﾊﾞﾈ	
19	VS1-0192-006		3	CONNECTOR ｺﾈｸﾀ	
20	VS1-0440-014		1	CONNECTOR ｺﾈｸﾀ	
21	VS1-0192-003		2	CONNECTOR, 3P ｺﾈｸﾀ	
22	X62-5370-000		2	SOCKET, FASTON 110, 20-24AWG ﾌｧｽﾄﾝ	
23	WT1-0026-000		2	SLEEVE, FASTON 110 ﾌｧｽﾄﾝ ｽﾘｰﾌﾞ	
24	FS2-2435-000		1	SPRING, TENSION ﾋｯﾊﾟﾘ ﾊﾞﾈ	
25	FA3-8787-000		2	DAMPER ﾀﾞﾝﾊﾟｰ	

FIGURE 327 MULTIFEEDER TRAY ASSEMBLY
マルチフィードトレイ

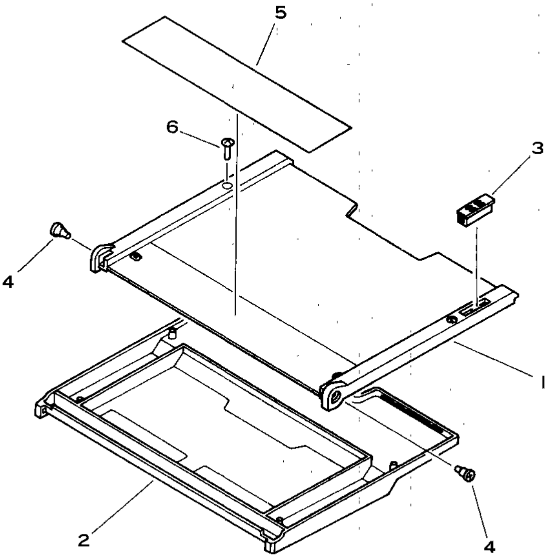


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
327 –	FG1–5218–000		1	MULTIFEEDER TRAY ASS' Y ﾏﾙﾁ ﾌｲｰﾙﾄﾞ ﾄﾚｲ	
1	FA4–0491–000		1	MANUAL FEED TRAY, UPPER ﾃｻﾞ ｼ ﾄﾚｲ (ｵﾓﾃ)	
2	FA4–0492–000		1	MANUAL FEED TRAY, LOWER ﾃｻﾞ ｼ ﾄﾚｲ (ｳﾗ)	
3	XZ9–0245–000		1	CATCH, MAGNET ﾏｸﾞ ﾈｯﾄ ｷﾔｯﾁ	
4	FS1–9199–000		2	SCREW, STEPPED, M4 ﾄﾚｲ ｼｼﾞ ｸ	
5	FS2–8217–000		1	LABEL (A5,B5) ﾗﾍﾞ ﾙ	E,G,H
	FS2–8218–000		1	LABEL (LTR,LGL) ﾗﾍﾞ ﾙ	C
	FS2–8219–000		1	LABEL (A4,LTR) ﾗﾍﾞ ﾙ	D,F
	FS2–8282–000		1	LABEL (A4,B4) ﾗﾍﾞ ﾙ	A
6	XB4–7300–806		4	SCREW, TAP, BINDING HEAD, M3X8 ﾋﾞ ｽ	

FIGURE 328 MULTIFEEDER TRAY ASSEMBLY (LIFTER)
マルチフィードリフタユニット

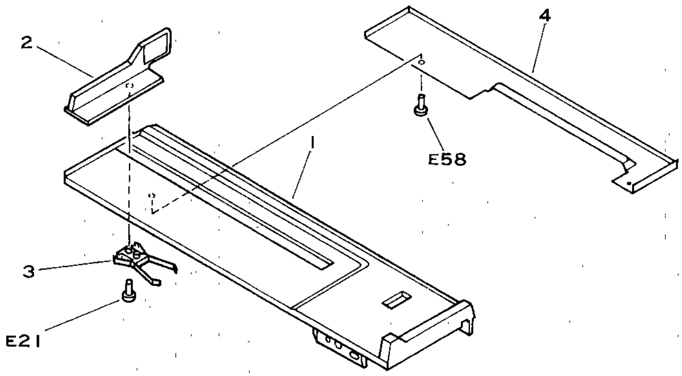
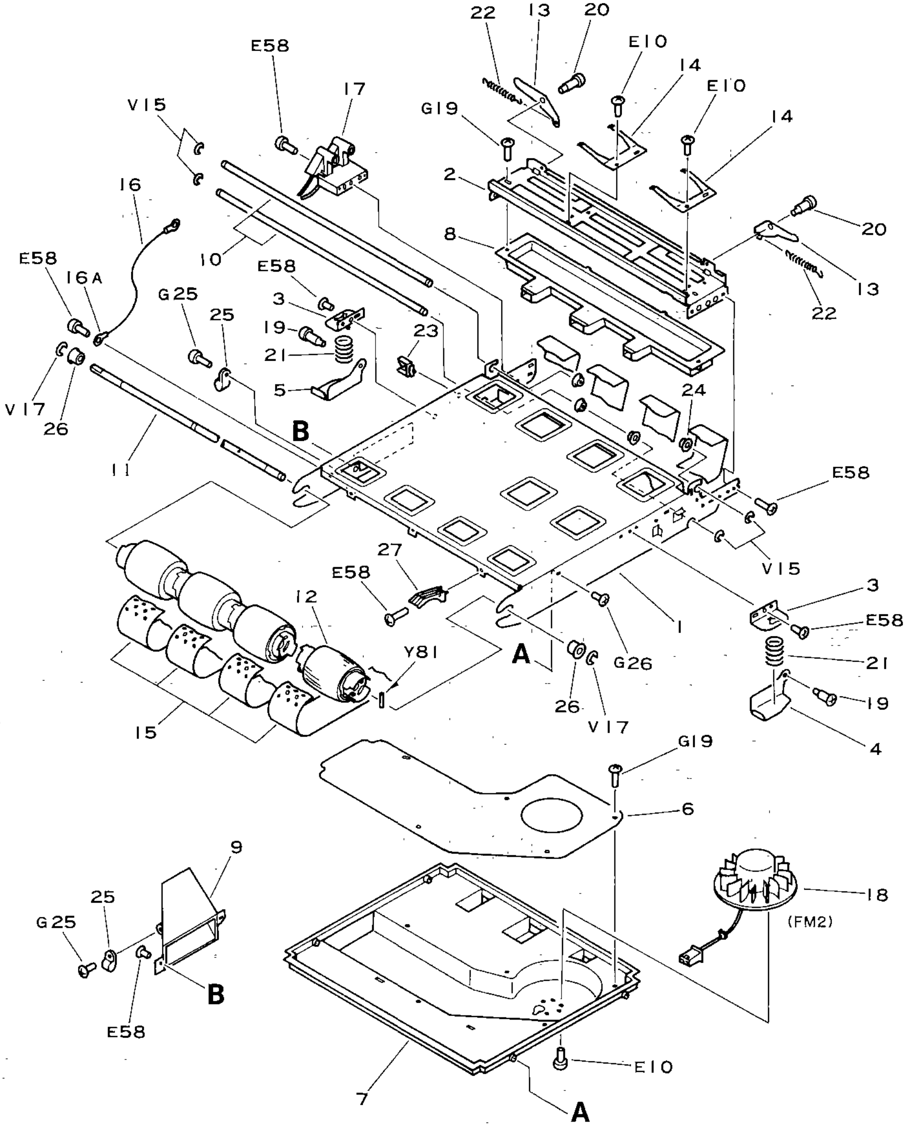


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
328 –	FG1–5127–030		1	MULTIFEEDER TRAY ASS'Y(LIFTER) ﾏﾙﾁ ﾌｲｰﾄﾞ ﾘﾌﾀ ﾕﾆｯﾄ	
1	FF1–6357–000		1	TRAY, MULTIFEED ﾃｻﾞ ｼ ﾄﾚｲ (2)	
2	FF1–6335–000	N	1	GUIDE ｻｲﾄﾞ ｶﾞ ｲﾄﾞ	
3	FA4–0478–000		1	SPRING, LEAF ｲﾀﾊﾞ ﾈ	
4	FA4–0482–000		1	PLATE, MULTIFEED ﾃｻﾞ ｼ ｳｹｻﾞ ﾗ	

FIGURE 350 FEEDER ASSEMBLY 1
第1搬送部


22
13
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E10
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E10
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E58
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G19
V15
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16
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13
22
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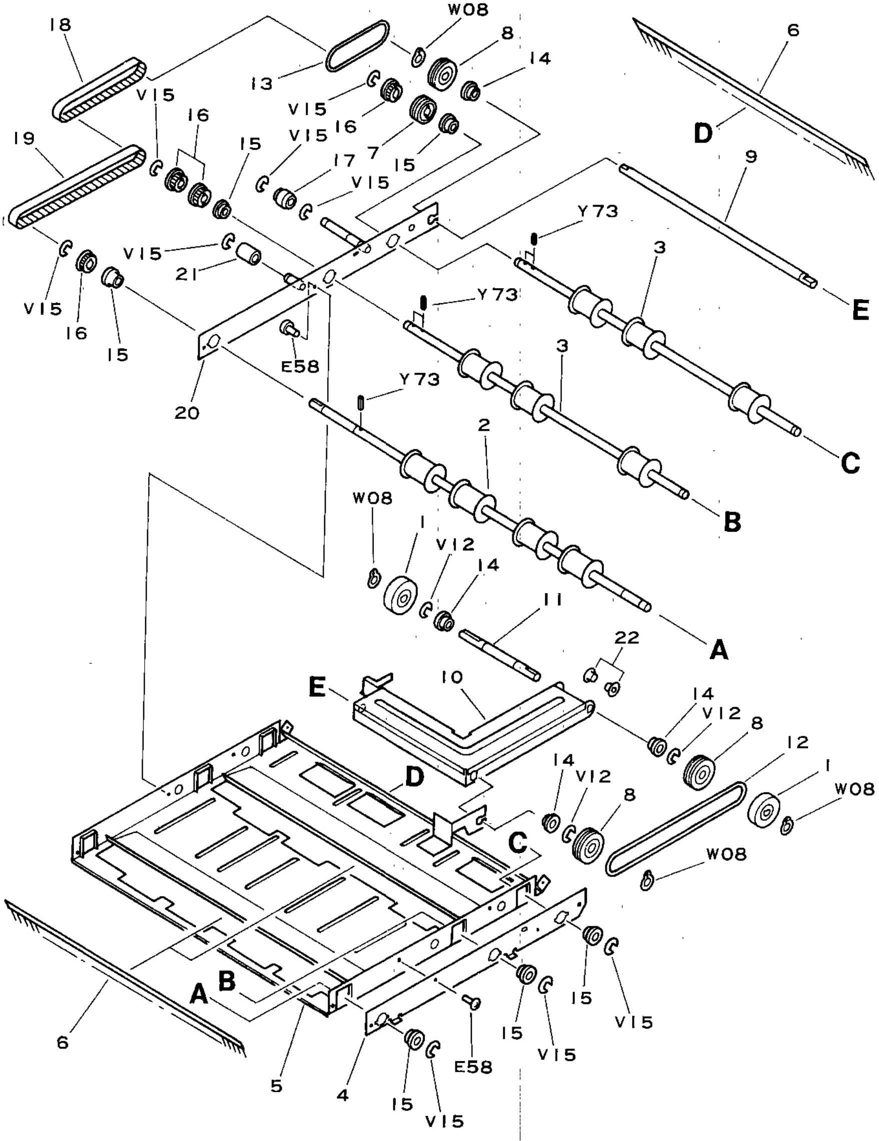
E58
16A
E58
G25
3
25
19
23
21
5
V17
26
24
B
11
E58
V15
27
E58
3
12
E58
Y81
A
G26
1
21
26
V17
19
15
4
G19
6
9
18
25
(FM2)
G25
B
E58
E10
7
A

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
350 –	FG1–5132–000		1	FEEDER ASSEMBLY 1 ハンソウ ブ	
1	FA4–0521–000	N	1	BASE PLATE, FEEDER ハンソウ ダイ	
2	FA4–0522–000		1	GUIDE, TRANSFER CORONA ASS'Y テンシヤ タイデンキ ガイド	
3	FA4–0523–000		2	HOLDER, SPRING バネ シダイ	
4	FA4–0524–000		1	SUPPORT, SPRING, FRONT バネウケダイ (マエ)	
5	FA4–0525–000		1	SUPPORT, SPRING, REAR バネウケダイ (ウシロ)	
6	FA4–0526–000		1	COVER, FAN DUCT フアンモータ カバー	
7	FA4–0527–000		1	DUCT, FAN フアンモータ ダクト	
8	FA4–0528–000		1	DUCT, OZONE オゾン ダクト	
9	FA4–0529–000		1	DUCT ハイキ ダクト	
10	FA4–0530–000		2	SHAFT, IDLER ジュウドウ ジク	
11	FA4–0531–000		1	SHAFT, DRIVE クドウ ジク	
12	FA4–0532–000		4	PULLEY, BELT ベルト プーリ	
13	FA4–0533–000		2	LEVER オシアゲ レバー	
14	FA4–0534–000		2	SPRING, LEAF イタ バネ	
15	FA4–0535–000		4	BELT, FEEDER ハンソウ ベルト	
16	FF9–0703–000		1	CABLE, GROUND ハンソウ ケーブル	
16A	X62–6765–000		2	TERMINAL, RING, 4.34MM マルガタ タンシ	
17	FH2–9027–020		1	CABLE, HVT HVT コード	
18	FH7–1391–000		1	FAN, FEEDER SUCTION フアン	
19	FS1–9002–000		2	SCREW, STEPPED, M4 ダンビス	
20	FS1–9009–000		2	SCREW, STEPPED ダンビス	
21	FS2–2420–000		2	SPRING, COMPRESSION アツシユク バネ	
22	FS2–2421–000		2	SPRING, TENSION ヒツパリ バネ	
23	WT2–0064–000		1	CLIP, CABLE, 2NS ロツキング ワイヤ サドル	
24	XG9–0094–000		4	BEARING, BALL ボール ベアリング	
25	X62–6863–000		2	CLAMP, CABLE, 5N ソクセン オサエ	
26	FS1–1511–000		2	BUSHING ブツシング	
27	FA4–0536–000	N	3	GUIDE, PAPER テイチヤク マエ ガイド	

FIGURE 351 FEEDER ASSEMBLY 2 (UPPER) (OLD)

第2搬送部（上）（旧）


18
W08
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V15
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V15
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Y73
3
V15
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V15
16
15
Y73
E
E58
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20
Y73
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C
B
W08
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V12
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V12
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D
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V12
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W08
C
W08
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A
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V15
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V15
E58
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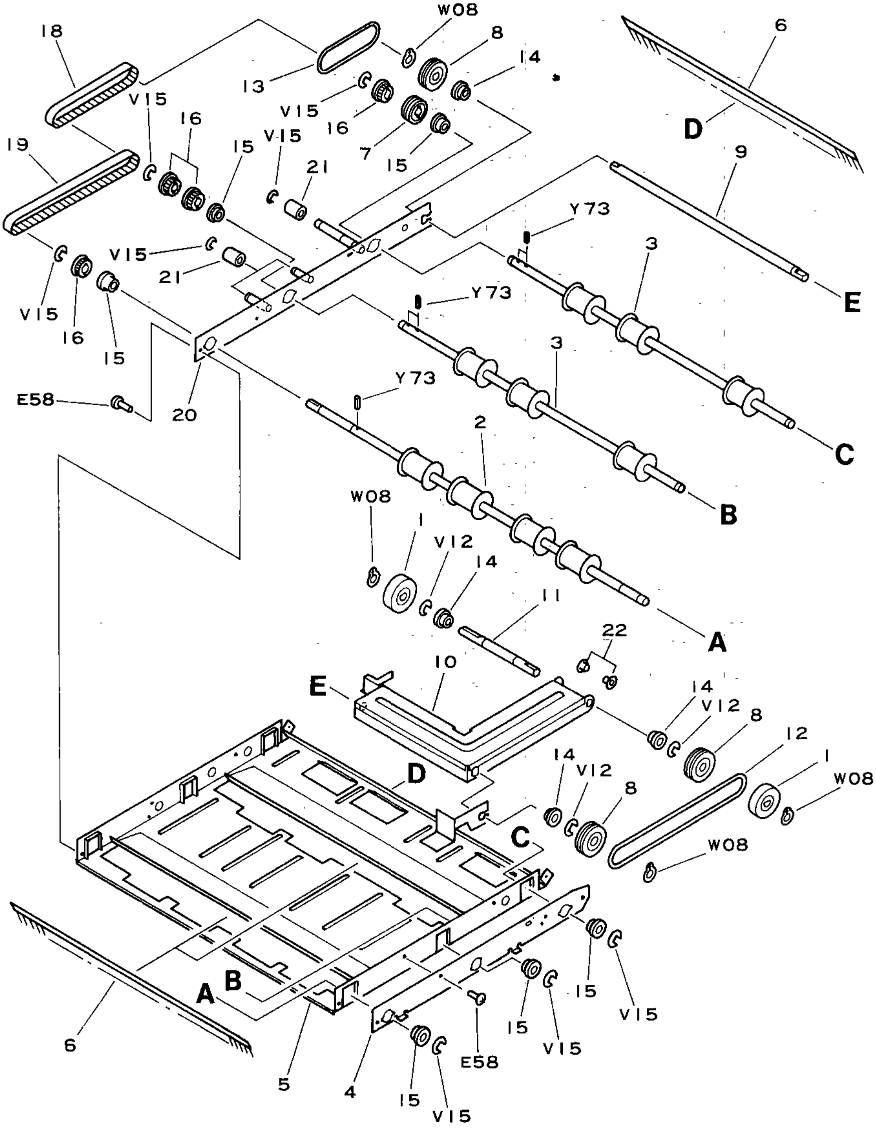
V15

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
351 –	NPN		RF	FEEDER ASS'Y 2 (UPPER) (OLD) ダイ 2 ハンソウブ (ウエ)	NP-4540 NP-5540
1	FF1-6249-020		2	ROLLER, FOAM RUBBER スポンジ ローラ	
2	FA4-0761-000		1	ROLLER, PAPER FEED, A クドウ ローラ (A)	
3	FA4-0762-000		2	ROLLER, PAPER FEED, B クドウ ローラ (B)	
4	FA4-0763-000	N	1	SIDE PLATE, UPPER, FRONT ウエ マエ ソクバン	
5	FA4-0765-000	N	1	FRAME, GUIDE, PAPER UPPER ウエ ガイド	
6	FA4-0766-000		3	ELIMINATOR, STATIC CHARGE ジヨデンキ	
7	FA4-0767-000		1	PULLEY プーリ	
8	FA4-0768-000		3	PULLEY プーリ	
9	FA4-0769-000		1	SHAFT, PULLEY プーリ	
10	FA4-0770-040		1	ARM スポンジ アーム	
11	FA4-0773-020		1	SHAFT スポンジ ジク	
12	FA4-0774-000		1	BELT, RUBBER, 317MM ベルト	
13	FA4-0775-000		1	BELT, RUBBER, 142MM ベルト	
14	FS1-1512-000		4	BUSHING ブツシング	
15	FS1-1462-000		6	BUSHING ブツシング	
16	FS1-3201-000		4	PULLEY, 25T 25T プーリ	
17	FS1-6211-000		1	PULLEY プーリ	
18	XF9-0152-000		1	BELT ベルト	
19	XF9-0153-000		1	BELT ベルト	
20	FF1-6248-000	N	1	SIDE PLATE, UPPER, REAR ウエ ウシロ ソクバン	
21	FS1-6220-000		1	PULLEY IDLER アイドラ プーリ	

FIGURE 351A FEEDER ASSEMBLY 2 (UPPER) (NEW)
第2搬送部（上）（新）


W08
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V15
V15
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V15
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Y73
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V15
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V15
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Y73
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15
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E58
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Y73
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C
B
W08
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V12
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A
22
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E
14
V12
8
12
D
14
V12
8
1
W08
C
W08
A
B
6
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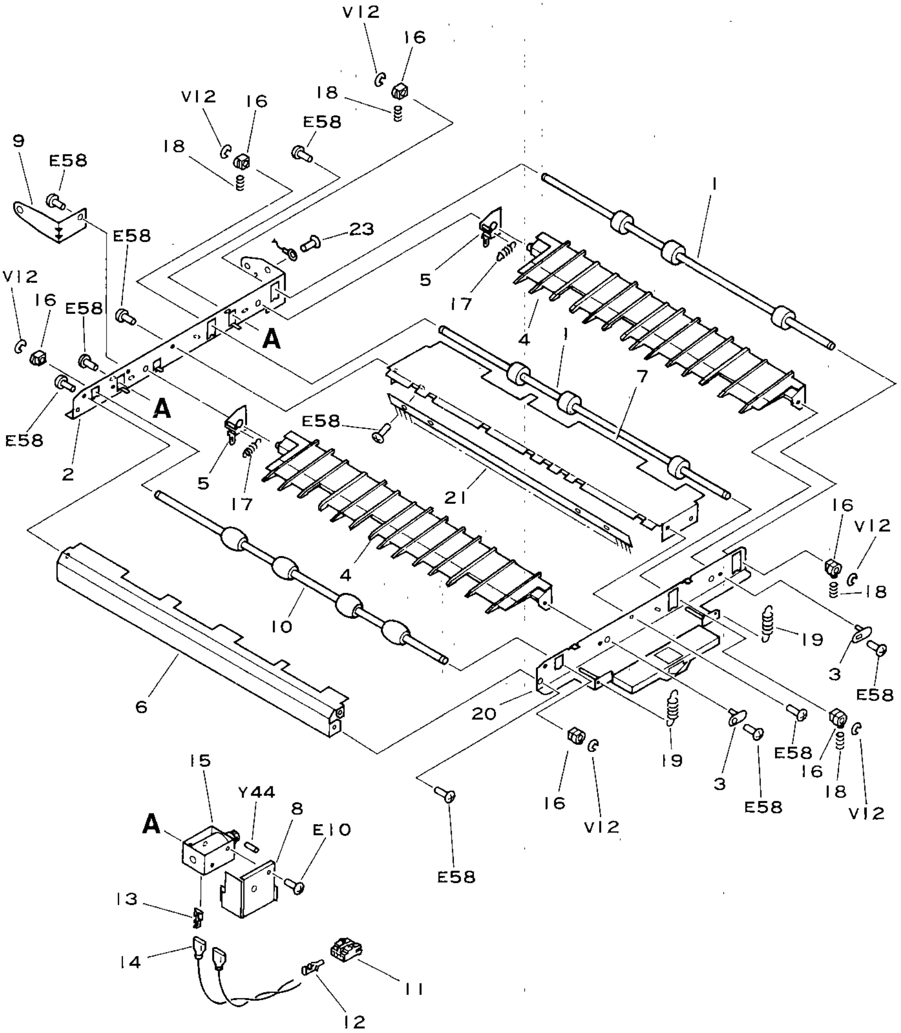
4
15
V15
E58
15
V15
15
V15

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
351A–	FG1–5151–000		1	FEEDER ASS'Y 2 (UPPER) (NEW) ダイ 2 ハンソウ ブ (ウエ)	NP–4540 NP–5540
1	FF1–6249–020		2	ROLLER, FOAM RUBBER スポンジ ローラ	
2	FA4–0761–000		1	ROLLER, PAPER FEED, A クドウ ローラ (A)	
3	FA4–0762–000		2	ROLLER, PAPER FEED, B クドウ ローラ (B)	
4	FA4–0763–030	N	1	SIDE PLATE, UPPER, FRONT ウエ マエ ソクバン	
5	FA4–0765–020	N	1	FRAME, GUIDE, PAPER UPPER ウエ ガイド	
6	FA4–0766–000		3	ELIMINATOR, STATIC CHARGE ジヨデンキ	
7	FA4–0767–000		1	PULLEY プーリ	
8	FA4–0768–000		3	PULLEY プーリ	
9	FA4–0769–000		1	SHAFT, PULLEY プーリ	
10	FA4–0770–040		1	ARM スポンジ アーム	
11	FA4–0773–020		1	SHAFT スポンジ ジク	
12	FA4–0774–000		1	BELT, RUBBER, 317MM ベルト	
13	FA4–0775–020		1	BELT, RUBBER, 167MM ベルト	
14	FS1–1512–000		4	BUSHING ブツシング	
15	FS1–1462–000		6	BUSHING ブツシング	
16	FS1–3201–000		4	PULLEY, 25T 25T プーリ	
18	XF9–0186–000		1	BELT ベルト	
19	XF9–0185–000		1	BELT ベルト	
20	FF1–6248–020	N	1	SIDE PLATE, UPPER, REAR ウエ ウシロ ソクバン	
21	FS1–6220–020		3	PULLEY IDLER アイドラ プーリ	
22	FA4–0776–000		2	ROLLER, FEED ハンソウ コロ	

FIGURE 352 FEEDER ASSEMBLY 2 (LOWER) (OLD)
第2搬送部（下）（旧）


V12
16
18
V12
16
E58
18
9
E58
23
1
E58
5
17
V12
16
E58
A
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1
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A
E58
E58
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17
21
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V12
18
4
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E58
6
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19
E58
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16
V12
E58
V12
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Y44
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E10
E58
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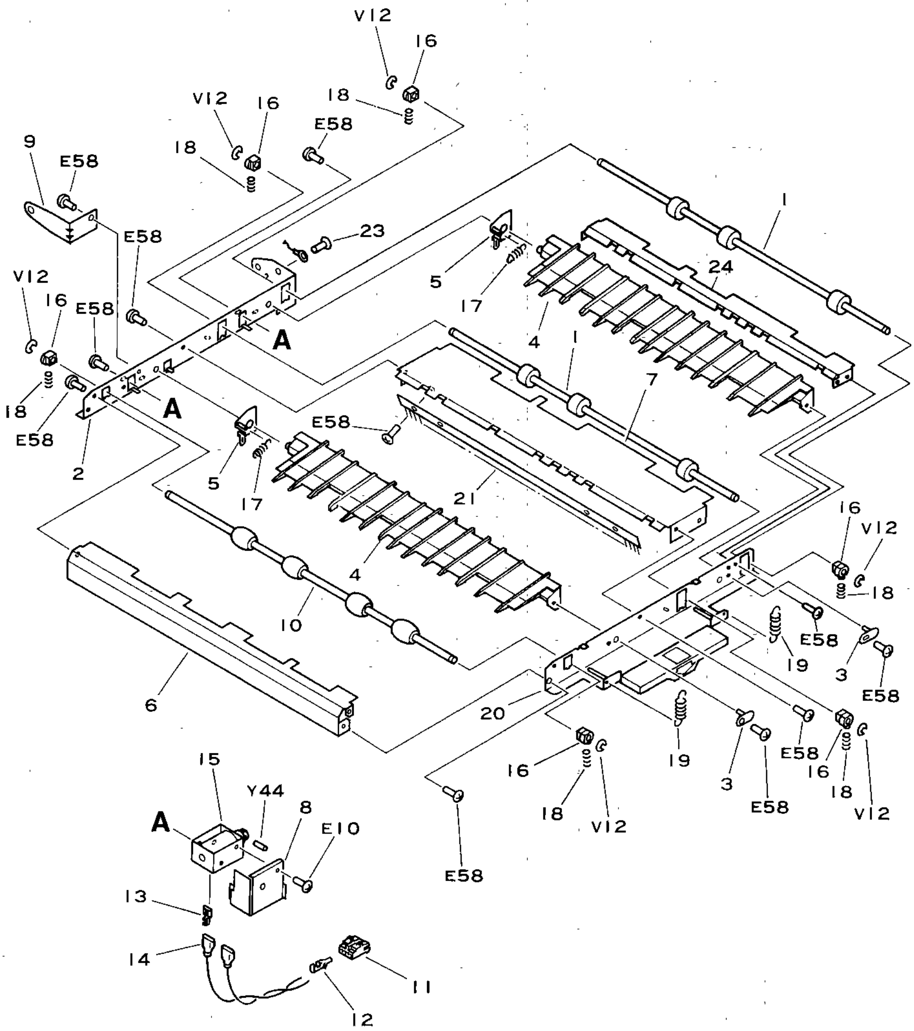
FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
352 –	NPN		RF	FEEDER 2 ASS'Y (LOWER) (OLD) ﾀﾞｲ 2 ﾊﾝｿｳ ﾌﾞ (ｼﾀ)	NP-4540 NP-5540
1	FA4-0791-000		2	ROLLER, PAPER FEED ｼﾞｭｳﾄﾞｳ ﾛｰﾗ	
2	FA4-0793-000	N	1	SIDE PLATE, LOWER, REAR ｼﾀ ｳｼﾛ ｿｸﾊﾞﾝ	
3	FA4-0794-000		2	PLATE, PIN ｲﾁｷﾞﾒ ﾋﾟﾝ	
4	FA4-0795-000		2	DEFLECTOR ﾃﾞｲﾌﾚｸﾀ	
5	FA4-0796-000		2	LEVER ｷﾘｶｴ ﾚﾊﾞｰ	
6	FA4-0797-000		1	GUIDE LOWER, SMALL ｼﾀ ｶﾞｲﾄﾞ (ｼｮｳ)	
7	FA4-0798-000		1	GUIDE LOWER, LARGE ｼﾀ ｶﾞｲﾄﾞ (ﾀﾞｲ)	
8	FA4-0800-000		2	COVER, SOLENOID ｿﾚﾉｲﾄﾞ ｶﾊﾞｰ	
9	FA4-0801-000		1	HINGE ﾋﾝｼﾞ ﾊﾞﾝ	
10	FA4-0802-000		1	ROLLER, PAPER FEED ｼﾞｭｳﾄﾞｳ ﾛｰﾗ	
11	VS4-0003-004		1	CONNECTOR, 2P, FEMALE ｺﾈｸﾀ	
12	WS3-0885-000		4	PIN, CONTACT, 20-30AWG ﾋﾟﾝ ｺﾝﾀｸﾄ	
13	WT1-0148-000		4	SOCKET, FASTON 110, 22-24AWG ﾌｧｽﾄﾝ	
14	WT1-0149-000		4	SLEEVE, FASTON 170823-1 ﾌｧｽﾄﾝ ｽﾘｰﾌﾞ	
15	FH7-5133-000		2	SOLENOID, 24VDC ｿﾚﾉｲﾄﾞ	
16	FS1-1499-000		6	BUSHING ｼﾞｸｳｹ	
17	FS2-2449-000		2	SPRING, TENSION ﾋｯﾊﾟﾘ ﾊﾞﾈ	
18	FS2-2437-000		6	SPRING, COMPRESSION ｱｯｼｭｸ ﾊﾞﾈ	
19	FS2-2441-000		2	SPRING, TENSION ﾋｯﾊﾟﾘ ﾊﾞﾈ	
20	FF1-6324-000	N	1	SIDE PLATE, LOWER, FRONT ｼﾀ ﾏｴ ｿｸﾊﾞﾝ	
21	FA4-0803-000	N	1	ELIMINATOR, STATIC CHARGE ｼﾞｮﾃﾞﾝ ﾌﾞﾗｼ	
23	XA9-0192-000		1	SCREW WITH WASHER, M4X6 ﾋﾞｽ	

FIGURE 352A FEEDER ASSEMBLY 2 (LOWER) (NEW)
第2搬送部（下）（新）



V12
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V12
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E58
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E58
18
1
E58
23
24
V12
16
E58
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17
A
4
1
7
A
18
E58
E58
5
17
21
2
16
V12
4
18
10
E58
19
3
6
20
E58
19
15
16
Y44
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E58
E10
16
18
18
V12
3
E58
V12
A
E58
13
14
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12

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
352A–	FG1–5152–000		1	FEEDER 2 ASS'Y (LOWER) (NEW) ダイ 2 ハンソウ ブ (シタ)	NP–4540 NP–5540
1	FA4–0791–000		2	ROLLER, PAPER FEED ジ ユウド ウ ローラ	
2	FA4–0793–030	N	1	SIDE PLATE, LOWER, REAR シタ ウシロ ソクバ ン	
3	FA4–0794–000		2	PLATE, PIN イチギ メ ピ ン	
4	FA4–0795–000		2	DEFLECTOR デ イフレクタ	
5	FA4–0796–000		2	LEVER キリカエ レバ ー	
6	FA4–0797–000		1	GUIDE LOWER, SMALL シタ ガ イド (ショウ)	
7	FA4–0798–020		1	GUIDE LOWER, CENTER シタ ガ イド (ナカ)	
8	FA4–0800–000		2	COVER, SOLENOID ソレノイド カバ ー	
9	FA4–0801–000		1	HINGE ヒンジ バ ン	
10	FA4–0802–000		1	ROLLER, PAPER FEED ジ ユウド ウ ローラ	
11	VS4–0003–004		1	CONNECTOR, 2P, FEMALE コネクタ	
12	WS3–0885–000		4	PIN, CONTACT, 20–30AWG ピ ン コンタクト	
13	WT1–0148–000		4	SOCKET, FASTON 110, 22–24AWG ファストン	
14	WT1–0149–000		4	SLEEVE, FASTON 170823–1 ファストン スリーブ	
15	FH7–5133–000		2	SOLENOID, 24VDC ソレノイド	
16	FS1–1499–000		6	BUSHING ジ クウケ	
17	FS2–2449–000		2	SPRING, TENSION ヒッパ リ バ ネ	
18	FS2–2437–000		6	SPRING, COMPRESSION アツシユク バ ネ	
19	FS2–2441–000		2	SPRING, TENSION ヒッパ リ バ ネ	
20	FF1–6324–030	N	1	SIDE PLATE, LOWER, FRONT シタ マエ ソクバ ン	
21	FA4–0803–000	N	1	ELIMINATOR, STATIC CHARGE ジ ヨデ ン ブ ラグ	
23	XA9–0192–000		1	SCREW WITH WASHER, M4X6 ビ ス	
24	FA4–0804–000		1	GUIDE, LOWER シタ ガ イド	

FIGURE 355 ARM ASSEMBLY (FEEDER ASSEMBLY 2)
アーム部

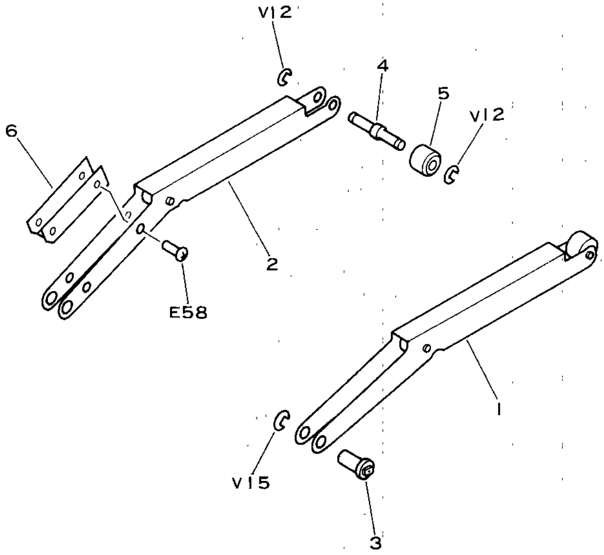
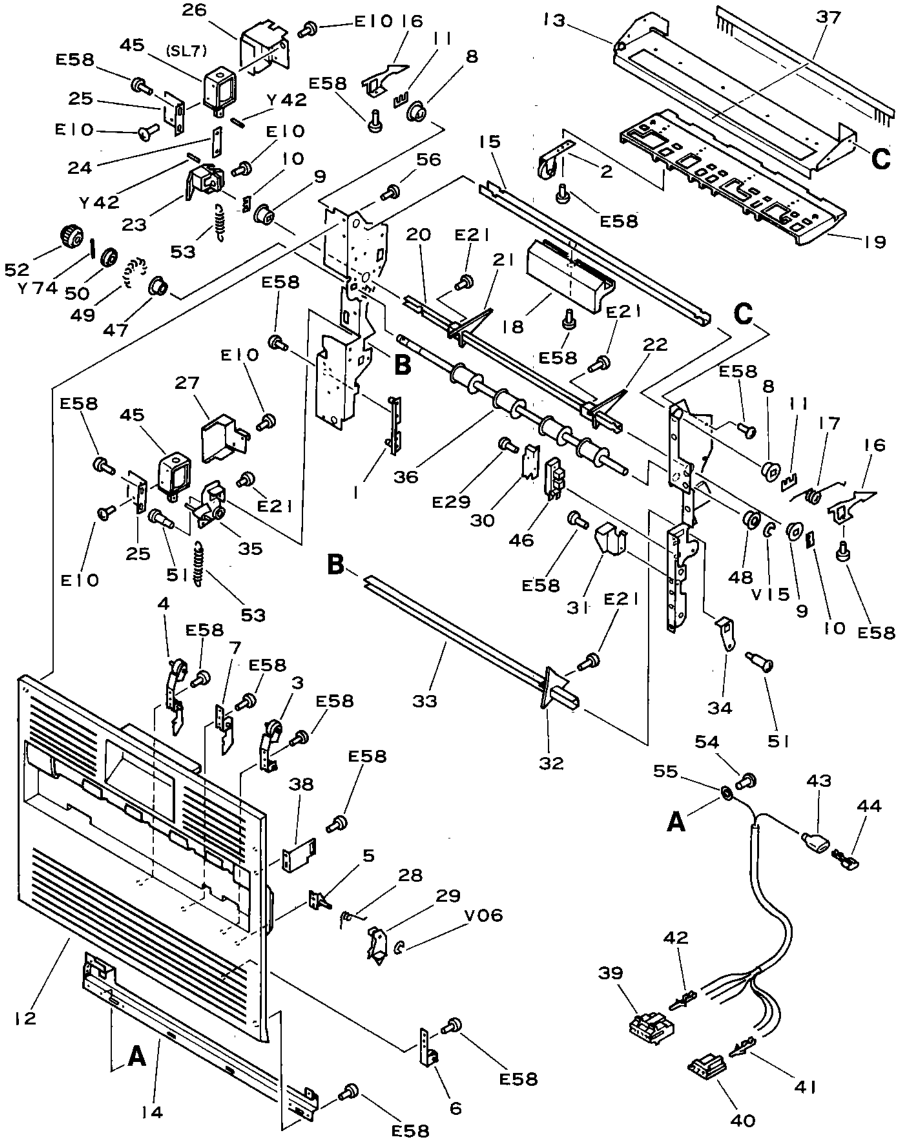


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
355 –	NPN		RF	ARM ASS'Y (FEEDER ASS'Y) ｱｰﾑ ﾌﾞ	
1	FF1–6227–000		1	ARM, FRONT ｼｮｳﾕｳ ﾘﾝｸ (ﾏｴ)	
2	FF1–6228–000		1	ARM, REAR ｼｮｳﾕｳ ﾘﾝｸ (ｳｼﾛ)	
3	FS1–9198–000		1	PIN, PIVOT ﾘﾝｸ ｼｼﾞｸ (ﾏｴ)	
4	FA4–0547–000		1	AXLE ﾘﾝｸ ｼﾞｸ	
5	FS1–6213–000		1	ROLLER ﾘﾝｸｺﾛ	
6	FA4–0548–000	N	1	PLATE, ARM ﾘﾝｸ ﾎｷｮｳ ﾊﾞﾝ	

# FIGURE 370 EXTERNAL DELIVERY ASSEMBLY (NP-4540)
外排紙部(NP-5540)


26
E10
16
45
(SL7)
E58
25
E10
Y42
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Y42
23
E10
10
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53
52
Y74
50
49
47
E58
11
8
13
37
C
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E58
19
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56
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E21
21
18
E58
E21
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C
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E58
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E21
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V15
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E58
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E58
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E58
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E58
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E58
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V06
12
A
14
E58
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E58
42
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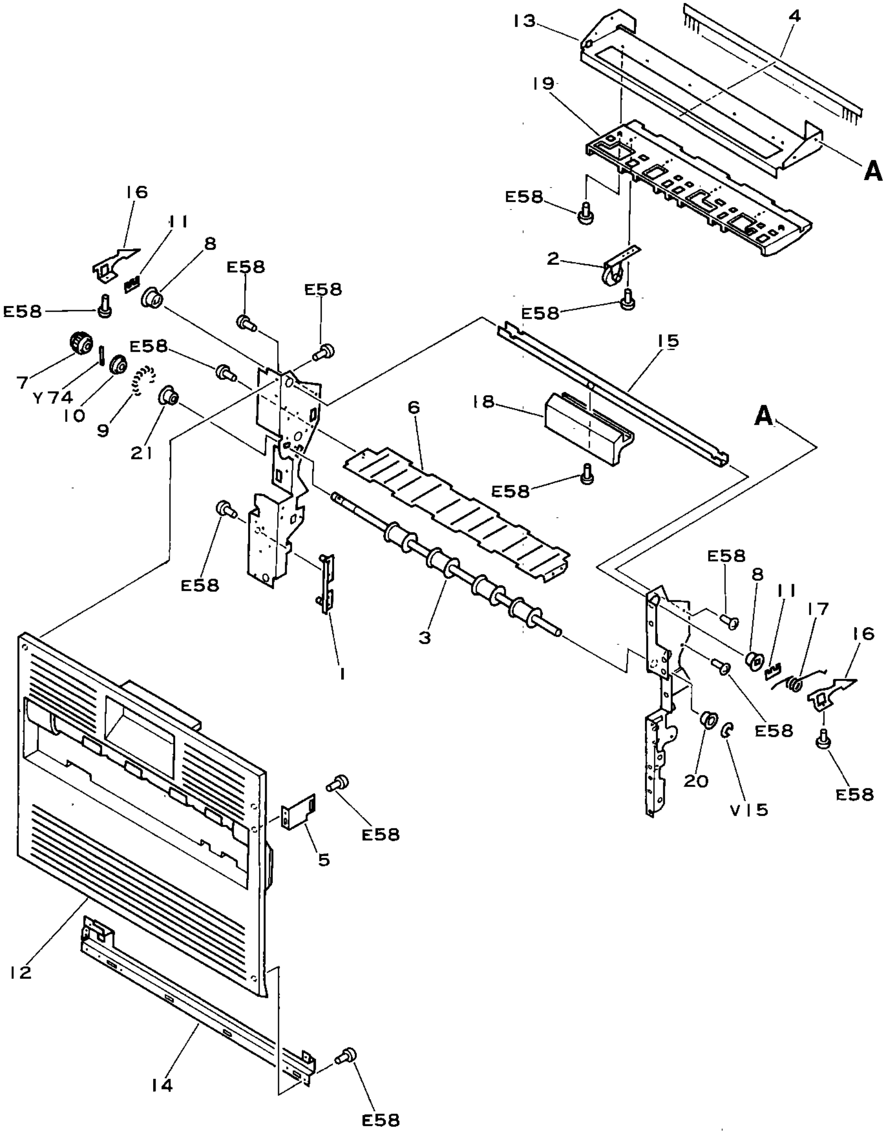
FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
370 —	FG1-5142-060		1	EXTERNAL DELIVERY ASSEMBLY ｿﾄ ﾊｲｼ ﾌﾞ	NP-4540 NP-5540
1	FF1-6216-000		1	PLATE, PIVOT ｼﾃﾝ ｼｼﾞ ﾀﾞ ｲ	
2	FF1-6217-000		4	ROLLER, MOUNT, UNIT ﾊｲｼ ｺﾛ	
3	FF1-6218-000		1	ROLLER, MOUNT UNIT ﾊﾝﾃﾝ ｺﾛ	
4	FF1-6219-000		2	DEFLECTOR ﾊﾝﾃﾝ ﾌﾗﾂﾊﾞ	
5	FF1-6220-000		1	MOUNT, SENSING LEVER ｾﾝｻ ﾚﾊﾞ ｰ ｼﾊﾞ ﾝ	
6	FF1-6221-000		3	ROLLER, MOUNT UNIT ﾘﾖｳﾒﾝ ｺﾛ	
7	FF1-6323-000		1	DEFLECTOR, AUXILIARY ﾎｼﾞ ﾖ ﾌﾗﾂﾊﾞ	
8	FA2-8225-000		2	BUSHING ﾌﾞ ﾂｼﾝｸﾞ	
9	FA2-8244-000		2	BUSHING ﾌﾞ ﾂｼﾝｸﾞ	
10	FA2-8361-000		2	RETAINER ｷﾝﾃｲ	
11	FA2-9221-000		2	STOP ｷﾝﾃｲ	
12	FA4-0681-000		1	PANEL, DELIVERY, PORT ﾊｲｼ ｶﾊﾞ ｰ	
13	FA4-0684-000	N	1	CROSSMEMBER, GUIDE ｶﾞ ｲﾄﾞ ｽﾃｰ	
14	FA4-0685-000		1	CROSSMEMBER, LOWER ｼﾀ ｽﾃｰ	
15	FA4-0686-030		1	SHAFT, LATCH RELEASE ｶｸｼﾞ ｸ	
16	FA4-0687-030		2	LATCH ﾌﾂｸ ﾂﾒ	
17	FA4-0688-020		1	SPRING, TORSION ﾈｼﾞ ﾘ ﾊﾞ ﾈ	
18	FA4-0689-000		1	GRIP, RELEASE ﾄﾂﾃ	
19	FA4-0690-040		1	GUIDE, PAPER ｶﾞ ｲﾄﾞ ﾘﾌﾞ	
20	FA4-0692-000		1	SHAFT, SQUARE ｳｴﾌﾗﾂﾊﾟ ｼﾞ ｸ	
21	FA4-0693-000		6	UPPER DEFLECTOR, LONG ｳｴﾌﾗﾂﾊﾟ (ﾛﾝｸﾞ)	
22	FA4-0694-000		2	UPPER DEFLECTOR, SHORT ｳｴﾌﾗﾂﾊﾟ (ｼﾖｰﾄ)	
23	FA4-0695-000		1	ARM, UPPER DEFLECTOR ｳｴﾌﾗﾂﾊﾟ ﾚﾊﾞ ｰ	
24	FA4-0696-000		1	LINK ﾘﾝｸ	
25	FA4-0697-000		2	MOUNT, SOLENOID ｿﾚﾉｲﾄﾞ ﾄﾘﾂｹｲﾀ	
26	FA4-0698-000		1	COVER, SOLENOID, UPPER ｿﾚﾉｲﾄﾞ ｶﾊﾞ ｰ (ｳｴ)	
27	FA4-0699-000		1	COVER, SOLENOID, LOWER ｿﾚﾉｲﾄﾞ ｶﾊﾞ ｰ (ｼﾀ)	
28	FA4-0703-000		1	SPRING, TORSION ﾈｼﾞ ﾘ ﾊﾞ ﾈ	
29	FA4-0704-000		1	ARM, PAPRE SENSOR ｾﾝｻ ﾚﾊﾞ ｰ	
30	FA4-0707-000		1	PLATE, SENSOR MOUNT ｾﾝｻ ﾀﾞ ｲ	
31	FA4-0708-000		1	COVER, SENSOR ｾﾝｻ ｶﾊﾞ ｰ	
32	FA4-0709-000		4	DEFLECTOR, LOWER ｼﾀ ﾌﾗﾂﾊﾞ	
33	FA4-0710-000		1	SHAFT, LOWER DEFLECTOR ｼﾀ ﾌﾗﾂﾊﾟ ｼﾞ ｸ	
34	FA4-0711-000		1	ARM, LOWER DEFLECTOR, FRONT ｼﾀﾌﾗﾂﾊﾟ ﾚﾊﾞ ｰ (ﾏｴ)	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
370 – 35	FA4–0712–000		1	ARM, LOWER DEFLECTOR, REAR ｼﾀﾌﾗｯﾊﾟ ﾚﾊﾞｰ (ｳｼﾛ)	
36	FA4–0713–000		1	ROLLER, WITH SHAFT DELIVERY ﾊｲｼ ﾛｰﾗ	
37	FA4–0715–000		1	ELIMINATOR, STATIC CHARGE ｼﾞﾖﾃﾞﾝｷ	
38	FA4–1097–020		1	BRACKET ｼﾞﾔﾏｲﾀ	
39	VS4–0003–008		1	CONNECTOR, 8P, FEMALE ｺﾈｸﾀ 8P	
40	WS3–0429–000		1	CONNECTOR, PCB, 3P, FEMALE ｺﾈｸﾀ 3P	
41	WS3–0437–000		3	SOCKET, CONTACT, 20–30AWG ｿｹｯﾄﾞ ｺﾝﾀｸﾄ	
42	WS3–0885–000		7	PIN, CONTACT, 20–30AWG ﾋﾞﾝ ｺﾝﾀｸﾄ	
43	WT1–0026–000		4	SLEEVE, FASTON 110 ﾌｧｽﾄﾝ ｽﾘｰﾌﾞ	
44	X62–5370–000		4	SOCKET, FASTON 110, 20–24AWG ﾌｧｽﾄﾝ	
45	FH7–5088–000		2	SOLENOID, 24VDC ｿﾚﾉｲﾄﾞ	
46	FH7–7081–000		1	PHOTO–INTERRUPTER UNIT ﾌｵﾄｲﾝﾀﾗﾌﾞﾀ ﾕﾆｯﾄ	
47	FS1–1119–000		1	BUSHING ﾌﾞｯｼﾝｸﾞ	
48	FS1–1462–000		1	BUSHING ﾌﾞｯｼﾝｸﾞ	
49	FS1–2370–000		1	SPRING, TENSION ﾋｯﾊﾟﾘﾊﾞﾈ	
50	FS1–6218–000		1	ROLLER ｺﾛ	
51	FS1–9004–000		2	SCREW, STEPPED ﾀﾞﾝﾋﾞｽ	
52	FS2–0575–000		1	GEAR, 19T 19T ｷﾞｱ	
53	FS2–2416–000		2	SPRING, TENSION ﾋｯﾊﾟﾘﾊﾞﾈ	
54	XA9–0192–000		1	SCREW WITH WASHER, M4X6 ﾋﾞｽ	
55	X62–6765–000		1	TERMINAL, RING, 4.34MM ﾏﾙｶﾞﾀ ﾀﾝｼ	
56	XB4–7400–809		2	SCREW, M4X8 Bﾀｲﾄ ﾋﾞｽ	

# FIGURE 371 EXTERNAL DELIVERY ASSEMBLY (NP-4040/4035)
外排紙部(NP-5040)


13
4
19
A
E58
2
E58
16
11
8
E58
E58
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E58
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Y74
10
9
21
15
18
6
A
E58
E58
3
1
E58
8
11
17
16
E58
E58
20
V15
E58
E58
5
12
14
E58

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
371 –	FG1–5158–060		1	EXTERNAL DELIVERY ASSEMBLY ソト ハイシ ブ	NP–4040/4035 NP–5040
1	FF1–6216–000		1	PLATE, PIVOT シテン シジ ダイ	
2	FF1–6217–000		4	ROLLER, MOUNT, UNIT ハイシ コロ	
3	FA4–0713–000		1	ROLLER, WITH SHAFT DELIVERY ハイシ ローラ	
4	FA4–0715–000		1	ELIMINATOR, STATIC CHARGE ジョデンキ	
5	FA4–1097–020		1	BRACKET ジャマイタ	
6	FA4–0876–000		1	GUIDE, PAPER ペーパ ガイド	
7	FS2–0575–000		1	GEAR, 19T 19T ギア	
8	FA2–8225–000		2	BUSHING ブッシング	
9	FS1–2370–000		1	SPRING, TENSION ヒッパリバネ	
10	FS1–6218–000		1	ROLLER コロ	
11	FA2–9221–000		2	STOP キンテイ	
12	FA4–0681–000		1	PANEL, DELIVERY, PORT ハイシ カバー	
13	FA4–0684–000	N	1	CROSSMEMBER, GUIDE ガイド ステー	
14	FA4–0685–000		1	CROSSMEMBER, LOWER シタ ステー	
15	FA4–0686–030		1	SHAFT, LATCH RELEASE カクジク	
16	FA4–0687–030		2	LATCH フック ツメ	
17	FA4–0688–020		1	SPRING, TORSION ネジリバネ	
18	FA4–0689–000		1	GRIP, RELEASE トッテ	
19	FA4–0690–040		1	GUIDE, PAPER ガイド リブ	
20	FS1–1462–000		1	BUSHING ブッシング	
21	FS1–1119–000		1	BUSHING ブッシング	

FIGURE 381 INTERNAL DELIVERY ASSEMBLY (NP-4540)

内排紙部(NP-5540)

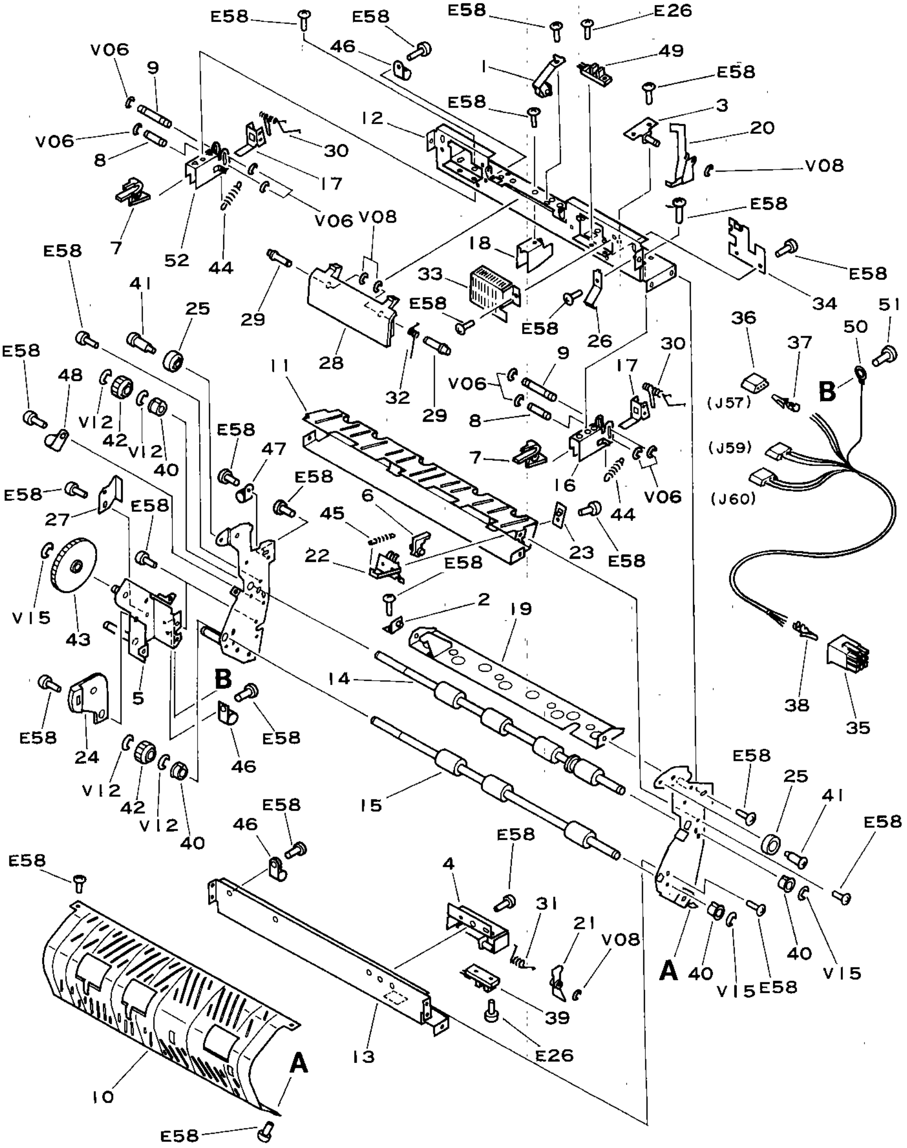
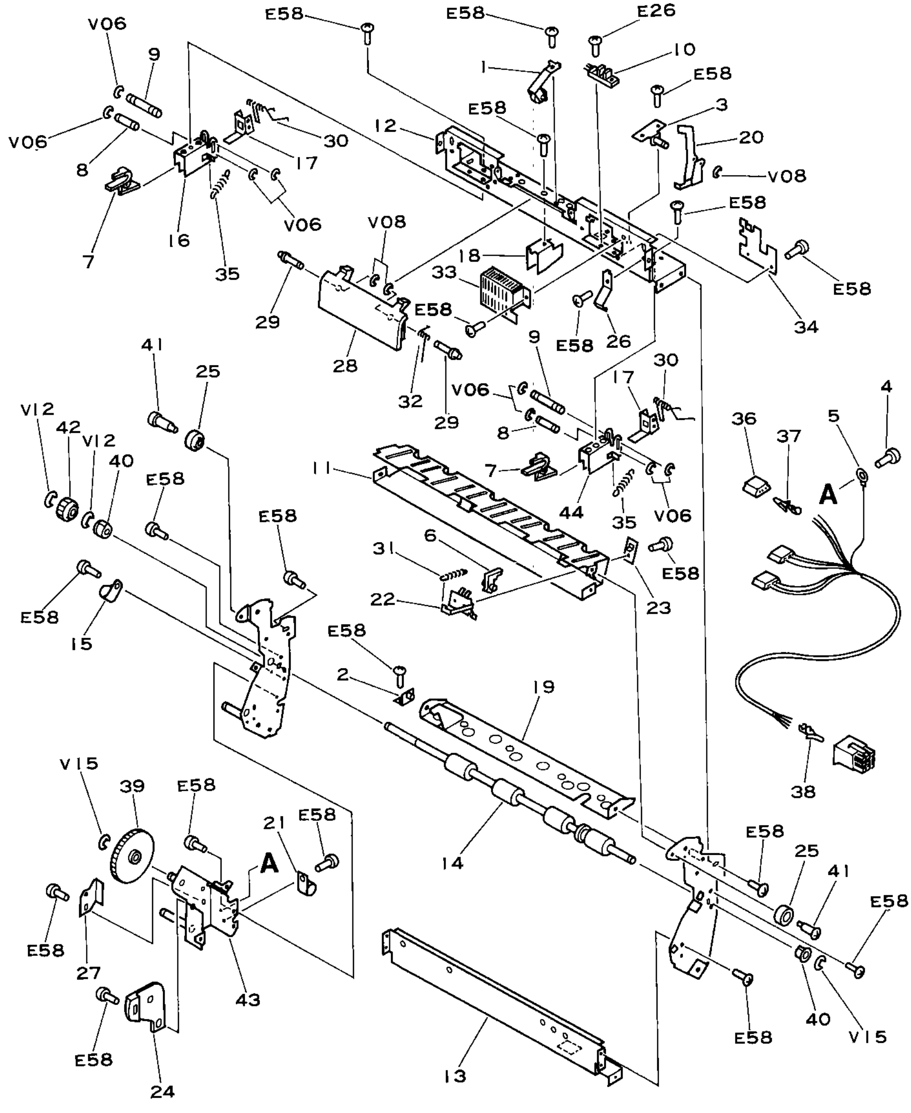

E58
E58
E58
E26
V06
46
9
1
49
E58
V06
12
E58
3
8
30
20
17
V08
V06
E58
7
V08
52
44
18
E58
29
33
34
E58
41
25
E58
E58
26
51
29
28
36
50
E58
11
9
30
37
48
V06
17
B
(J57)
V12
8
42
V12
32
29
40
E58
7
(J59)
47
16
E58
E58
44
V06
(J60)
27
E58
45
6
23
E58
22
E58
V15
2
19
43
5
14
E58
B
E58
24
46
38
35
V12
42
V12
40
E58
15
25
E58
41
46
E58
E58
E58
4
31
21
V08
40
V15
A
40
V15
E58
39
E26
13
A
10
E58

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
381 –	FG1–5140–160		1	INTERNAL DELIVERY ｳﾁ ﾊｲｼ ﾌﾞ	NP–4540 NP–5540
	FG9–2546–000		1	INTERNAL DELIVERY ｳﾁ ﾊｲｼ ﾌﾞ	NP–4540 NP–5540 115V
1	FF1–6266–050		4	ROLLER MOUNT UNIT ｺﾛ	
2	FF1–6267–000		1	MOUNT, PIVOT PIN ｹﾝﾁ ﾊﾞﾝ ｻｻｴ	
3	FF1–6268–000		1	MOUNT, PIVOT PIN ﾊｲｼ ｹﾝﾁｼﾞｸ ｼﾊﾞﾝ	
4	FF1–6269–000		1	MOUNT, SENSOR ｾﾝｻ ﾀﾞｲ (2)	
5	FF1–6270–000		1	PLATE, SPINDLE ｼﾃﾝ ｼﾞｸ ｼﾊﾞﾝ	
6	FA2–8345–000		5	CLAW, SEPARATION, LOWER ｼﾀ ﾌﾞﾝﾘﾂﾒ	
7	FA3–2762–040		5	CLAW, SEPARATION, UPPER ｳｴ ﾌﾞﾝﾘﾂﾒ	OLD
	FA3–2762–050		5	CLAW, SEPARATION, UPPER ｳｴ ﾌﾞﾝﾘﾂﾒ	NEW
8	FA3–2763–020		5	PIN 1, SEPARATION CLAW, UPPER ｳｴ ﾌﾞﾝﾘﾂﾒｼﾞｸ (1)	
9	FA3–2764–020		5	PIN 2, SEPARATION CLAW, UPPER ｳｴ ﾌﾞﾝﾘﾂﾒｼﾞｸ (2)	
10	FA4–0631–000		1	GUIDE, PAPER ｶﾞｲﾄﾞ	
11	FA4–0632–000		1	GUIDE, PAPER LOWER ｼﾀ ｶﾞｲﾄﾞ	
12	FA4–0635–000	N	1	CROSSMEMBER, UPPER ｳｴ ｽﾃｰ	100/220/240V
	FA9–1918–000		1	CROSSMEMBER, UPPER ｳｴ ｽﾃｰ	115V
13	FA4–0636–000	N	1	CROSSMEMBER, LOWER ｼﾀ ｽﾃｰ	
14	FA4–0637–040		1	ROLLER 1, PAPER DELIVERY ﾊｲｼ ﾛｰﾗ ｼﾞｸ (1)	
15	FA4–0638–000		1	ROLLER 2, PAPER DELIVERY ﾊｲｼﾛｰﾗ ｼﾞｸ (2)	
16	FA4–0639–020		4	SUPPORT, SEPARATION CLAW,UPPER ｳｴﾌﾞﾝﾘﾂﾒ ｼﾊﾞﾝ	
17	FA4–0640–000		5	MOUNT, SEPARATION CLAW, UPPER ｳｴﾌﾞﾝﾘﾂﾒ ﾀﾞｲ	
18	FA4–0641–000		2	PLATE, PAPER GUIDE ｳｴ ｶﾞｲﾄﾞﾊﾞﾝ	
19	FA4–0644–040		1	PLATE, SENSOR MOUNT ｹﾝﾁ ﾊﾞﾝ	
20	FA4–0648–000		1	LEVER, SENSOR ｹﾝﾁ ﾚﾊﾞｰ	
21	FA4–0650–020		1	LEVER, SENSOR ｹﾝﾁ ﾚﾊﾞｰ	
22	FA4–0651–000		5	MOUNT, SEPARATION CLAW, LOWER ｼﾀﾌﾞﾝﾘﾂﾒ ﾀﾞｲ	
23	FA4–0652–000		5	PLATE ｽﾄｯﾊﾟ	
24	FA4–0654–000		1	SPACER, GEAR ｷﾞｱ ｽﾍﾟｰｻ	
25	FA4–0655–000		2	ROLLER, GUIDE ｶﾞｲﾄﾞ ｺﾛ	
26	FA4–0656–000		2	SPRING, LEAF ｲﾀ ﾊﾞﾈ	
27	FA4–0657–000		1	PLATE, RELEASE ｶｲｼﾞｮ ｲﾀ	
28	FA4–0658–000		1	GRIP, RELEASE ﾄｯﾃ	
29	FA4–0659–000		2	PIN, PIVOT ﾄｯﾃ ｼﾞｸ	
30	FA4–0660–000		5	SPRING, TORSION ﾈｼﾞﾘ ﾊﾞﾈ	
31	FA4–0661–000		1	SPRING, TORSION ﾈｼﾞﾘ ﾊﾞﾈ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
381 – 32	FA4–0662–000		1	SPRING, TORSION ﾈｼﾞﾘﾊﾞﾈ	
33	FA4–0663–000		2	COVER 1, SENSOR ｾﾝｻ ｶﾊﾞｰ (1)	
34	FA4–0664–000		2	COVER 2, SENSOR ｾﾝｻ ｶﾊﾞｰ (2)	
35	VS4–0001–009		1	CONNECTOR, 9P, MALE ｺﾈｸﾀ 9P	
36	WS3–0429–000		3	CONNECTOR, PCB, 3P, FEMALE ｺﾈｸﾀ 3P	
37	WS3–0437–000		9	SOCKET, CONTACT, 20–30AWG ｿｹｯﾄ ｺﾝﾀｸﾄ	
38	WS4–0220–000		9	SOCKET, CONTACT, 22–26AWG ﾋﾟﾝ	
39	FH7–7081–000		1	PHOTO–INTERRUPTER UNIT ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ ﾕﾆｯﾄ	
40	FS1–1462–000		4	BUSHING ﾌﾞｯｼﾝｸﾞ	
41	FS1–9004–000		2	SCREW, STEPPED ﾀﾞﾝﾋﾞｽ	
42	FS2–0626–000		2	GEAR, 19T 19T ｷﾞｱ	
43	FS2–0576–000		1	GEAR, 61T 61T ｷﾞｱ	
44	FS2–2428–000		10	SPRING, TENSION ﾋｯﾊﾟﾘﾊﾞﾈ	
45	FS2–2429–000		5	SPRING, TENSION ﾋｯﾊﾟﾘﾊﾞﾈ	
46	X62–6856–000		6	CLAMP, CABLE, 4N ｺｰﾄﾞ ﾛｯｸ	
47	X62–6859–000		1	CLAMP, CABLE ｸﾗﾝﾌﾟ	
48	X62–6863–000		2	CLAMP, CABLE, 5N ｿｸｾﾝ ｵｻｴ	
49	FH7–7080–000		2	PHOTO–INTERRUPTER UNIT ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ ﾕﾆｯﾄ	
50	X62–6765–000		1	TERMINAL, RING, 4.34MM ﾏﾙｶﾞﾀ ﾀﾝｼ	
51	XA9–0192–000		1	SCREW WITH WASHER, M4X6 ﾋﾞｽ	
52	FA9–1908–000		1	SUPPORT, SEPARATION CLAW, UPPER ｳｴﾌﾞﾝﾘﾂﾒ ｼﾊﾞﾝ	

FIGURE 382 INTERNAL DELIVERY ASSEMBLY (NP-4040/4035)

内排紙部(NP-5040)


V06
9
V06
8
7
16
35
17
30
V06
E58
E58
E26
10
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E58
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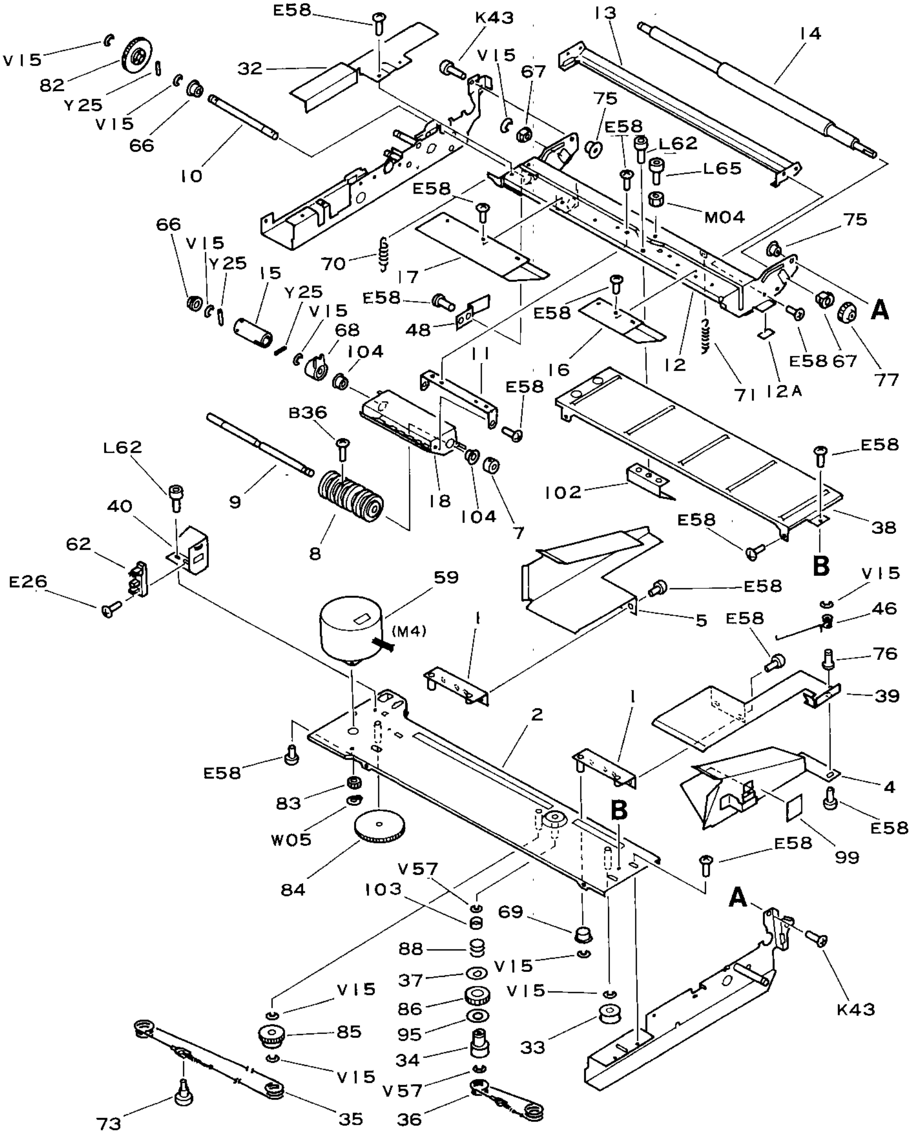
E58
3
20
V08
E58
18
33
V08
29
28
E58
32
29
E58
26
34
E58
41
25
V12
42
V12
40
E58
9
30
17
V06
8
7
44
35
V06
11
E58
31
6
22
23
E58
E58
15
36
37
5
4
A
38
E58
2
19
14
V15
39
E58
21
E58
A
E58
27
43
E58
24
13
E58
25
41
E58
E58
40
V15
E58

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
382 –	FG1–5157–150		1	INTERNAL DELIVERY ASSEMBLY ウチ ハイジ ブ	NP–4040/NP–4035 NP–5040
	FG9–2547–000		1	INTERNAL DELIVERY ASSEMBLY ウチ ハイシ ブ	NP–4040/NP–4035 NP–5040 115V
1	FF1–6266–050		4	ROLLER MOUNT UNIT コロ	
2	FF1–6267–000		1	MOUNT, PIVOT PIN ケンチ バン ササエ	
3	FF1–6268–000		1	MOUNT, PIVOT PIN ハイシ ケンチジク シバン	
4	XA9–0192–000		1	SCREW WITH WASHER, M4X6 ビス	
5	X62–6765–000		1	TERMINAL, RING, 4.34MM マルガタ タンシ	
6	FA2–8345–000		5	CLAW, SEPARATION, LOWER シタ ブンリツメ	
7	FA3–2762–040		5	CLAW, SEPARATION, UPPER ウエ ブンリツメ	OLD
	FA3–2762–050		5	CLAW, SEPARATION, UPPER ウエ ブンリツメ	NEW
8	FA3–2763–020		5	PIN 1, SEPARATION CLAW, UPPER ウエ ブンリツメジク (1)	
9	FA3–2764–040		5	PIN 2, SEPARATION CLAW, UPPER ウエ ブンリツメジク (2)	
10	FH7–7080–000		2	PHOTO–INTERRUPTER UNIT フオトインタラプタ ユニツト	
11	FA4–0632–000		1	GUIDE, PAPER LOWER シタ ガイド	
12	FA4–0635–000	N	1	CROSSMEMBER, UPPER ウエ ステー	100/220/240V
	FA9–1918–000		1	CROSSMEMBER, UPPER ウエ ステー	115V
13	FA4–0636–000	N	1	CROSSMEMBER, LOWER シタ ステー	
14	FA4–0637–040		1	ROLLER 1, PAPER DELIVERY ハイシ ローラ ジク (1)	
15	X62–6863–000		2	CLAMP, CABLE, 5N ソクセン オサエ	
16	FA4–0639–020		4	SUPPORT, SEPARATION CLAW,UPPER ウエブンリツメ シバン	
17	FA4–0640–000		5	MOUNT, SEPARATION CLAW, UPPER ウエブンリツメ ダイ	
18	FA4–0641–000		2	PLATE, PAPER GUIDE ウエ ガイドバン	
19	FA4–0644–040		1	PLATE, SENSOR MOUNT ケンチ バン	
20	FA4–0648–000		1	LEVER, SENSOR ケンチ レバー	
21	X62–6856–000		6	CLAMP, CABLE, 4N コード ロツク	
22	FA4–0651–000		5	MOUNT, SEPARATION CLAW, LOWER シタブンリツメ ダイ	
23	FA4–0652–000		5	PLATE ストツパ	
24	FA4–0654–000		1	SPACER, GEAR ギア スペーサ	
25	FA4–0655–000		2	ROLLER, GUIDE ガイド コロ	
26	FA4–0656–000		2	SPRING, LEAF イタ バネ	
27	FA4–0657–000		1	PLATE, RELEASE カイジヨ イタ	
28	FA4–0658–000		1	GRIP, RELEASE トツテ	
29	FA4–0659–000		2	PIN, PIVOT トツテ ジク	
30	FA4–0660–000		5	SPRING, TORSION ネジリバネ	
31	FS2–2429–000		5	SPRING, TENSION ヒツパリバネ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
382 - 32	FA4-0662-000		1	SPRING, TORSION ネジリバネ	
33	FA4-0663-000		2	COVER 1, SENSOR センサ カバー (1)	
34	FA4-0664-000		2	COVER 2, SENSOR センサ カバー (2)	
35	FS2-2428-000		10	SPRING, TENSION ヒッパリバネ	
36	WS3-0429-000		2	CONNECTOR, PCB, 3P, FEMALE コネクタ 3P	
37	WS3-0437-000		6	SOCKET, CONTACT, 20-30AWG ソケット コンタクト	
38	WS4-0220-000		6	SOCKET, CONTACT, 22-26AWG ピン	
39	FS2-0576-000		1	GEAR, 61T 61T ギア	
40	FS1-1462-000		2	BUSHING ブッシング	
41	FS1-9004-000		2	SCREW, STEPPED ダンビス	
42	FS2-0626-000		1	GEAR, 19T 19T ギア	
43	FF1-6270-000		1	PLATE, SPINDLE シテンジク シバン	
44	FA9-1908-000		1	SUPPORT, SEPARATION CLAW, UPPER ウエブンリツメ シバン	

FIGURE 384 PAPER PICK-UP ASSEMBLY 2 (½)

第2給紙部 (½)


E58
K43
13
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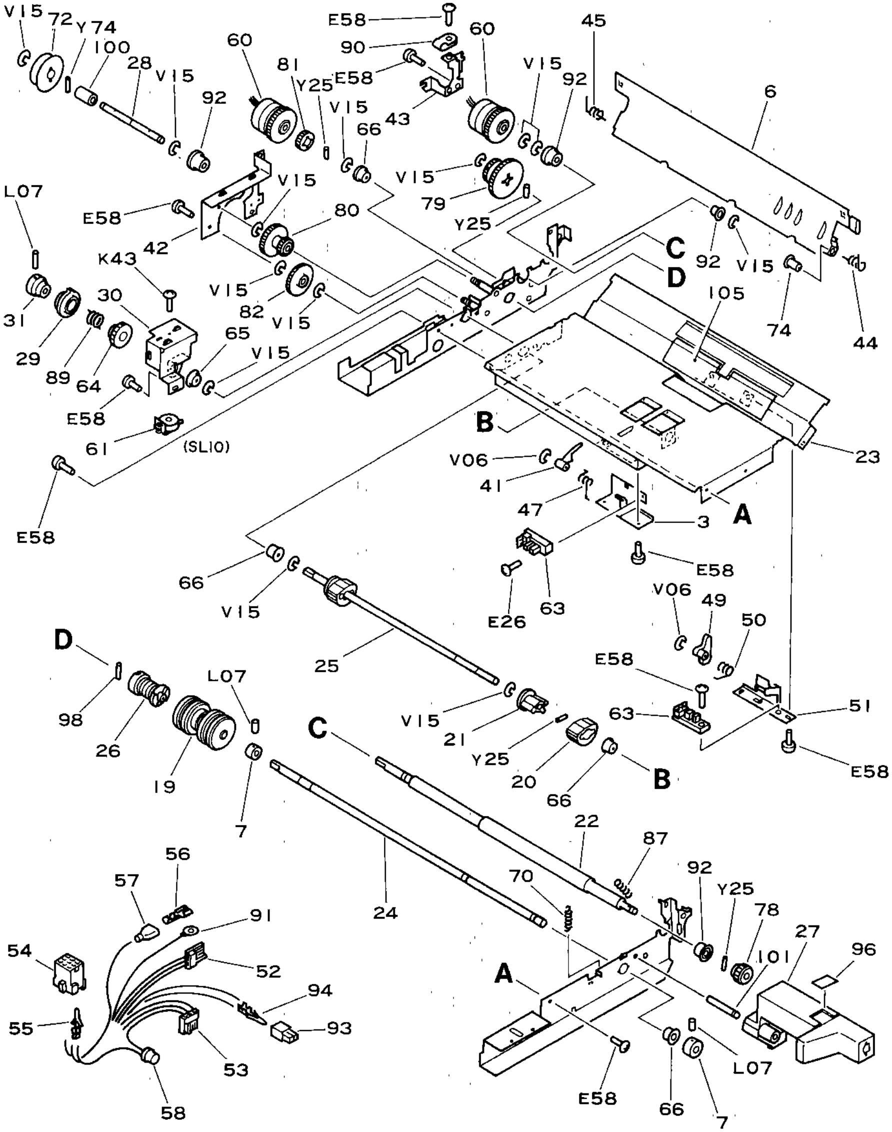
V15
82
Y25
V15
66
10
32
V15
67
75
E58
L62
L65
M04
E58
75
A
66
V15
Y25
15
Y25
V15
68
104
70
17
E58
48
E58
16
12
71
12A
E58
67
77
11
E58
B36
L62
40
62
E26
9
8
18
104
7
102
E58
38
B
E58
E58
5
V15
46
E58
76
39
59
(M4)
1
2
1
4
E58
99
B
E58
83
W05
84
V57
103
88
37
86
95
34
V57
36
69
V15
V15
33
A
K43
V15
85
V15
73
35

FIGURE 384 PAPER PICK-UP ASSEMBLY 2 (2/2)
第2給紙部 (2/2)



V15
72
Y74
100
28
V15
92
60
81
Y25
E58
90
E58
43
V15
66
60
V15
92
45
6
L07
E58
42
V15
80
V15
79
Y25
C
92
V15
D
105
74
44
K43
V15
82
V15
31
30
29
89
64
65
V15
E58
61
(SL10)
E58
B
V06
41
47
3
A
23
66
V15
25
63
E58
E26
V06
49
50
D
98
26
19
L07
7
C
V15
21
Y25
20
66
E58
63
51
B
E58
22
87
24
70
92
Y25
78
27
96
101
56
57
91
54
52
94
55
53
93
58
A
E58
66
7
L07

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
384 –	FG1–5153–000		1	PICK–UP 2 ASS' Y ダ イ 2 キユウシ ブ	NP–5540 NP–4540
1	FF1–6253–000		2	MOUNT, PIVOT キジ ユン ダ イ	
2	FF1–6254–000		1	MOUNT, SLIDING イド ウ ダ イ	
3	FF1–6276–000		1	MOUNT, SENSOR カミケン センサーダ イ	
4	FF1–6279–000		1	PLATE, SIDE, FRONT マエ キジ ン カイヘイ イタ	
5	FF1–6280–000		1	PLATE, SIDE, REAR ウシロ キジ ユン バ ン	
6	FF1–6326–000		1	GUIDE カイヘイ ガ イド	
7	FA1–1895–000		3	COLLAR スラスト ド メ	
8	FA4–0806–000		1	ROLLER, SEPARATION, UPPER ブ ンリ ローラ	
9	FA4–0807–000		1	SHAFT, SEPARATION ROLLER ブ ンリ ローラ ジ ク	
10	FA4–0808–000		1	SHAFT, UPPER SEP. ROLLER, DRIVE ウエローラ クド ウジ ク	
11	FA4–0809–000		1	PLATE, UPPER ROLLER ウエローラ シバ ン	
12	FF1–6343–000	N	1	PLATE, UPPER ウエ イタ	
12A	FA4–0857–000		1	SHEET, POLYESTER マイラ シート	
13	FA4–0811–000		1	GUIDE, UPPER ウエ ガ イド	
14	FA4–0812–000		1	ROLLER, PAPER FEED レジ スト ローラ	
15	FA4–0813–000		1	COUPLING, UPPER ROLLER ウエローラ カツプ リング	
16	FA4–0814–000		1	GUIDE, PAPER FRONT マエ アンナイガ イド	
17	FA4–0815–000		1	GUIDE, PAPER REAR ウシロ アンナイガ イド	
18	FA4–0816–000		1	MOUNT, ROLLER クシバ ガ イド	
19	FA4–0817–000		1	ROLLER, LOWER シタ ローラ	
20	FA4–0818–000		2	ROLLER, PICK–UP 2 ローラ	
21	FA4–0819–000		2	HUB, PICK–UP 2 ROLLER ローラ カラー	
22	FA4–0820–000		1	ROLLER, PAPER FEED レジ スト ローラ	
23	FA4–0823–000		1	GUIDE, PAPER FEED サイキユウシ ガ イド	
24	FA4–0825–000		1	SHAFT, LOWER ROLLER シタローラ ジ ク	
25	FA4–0826–000		1	SHAFT, PICK–UP ROLLER ローラ ジ ク	
26	FA4–0827–000		1	COUPLING, ROLLER ローラ カツプ リング	
27	FA4–0828–000		1	HANDLE トツテ	
28	FA4–0829–000		1	SHAFT, DRIVE クド ウ ジ ク	
29	FA4–0830–000		1	RING, CLUTCH CONTROL クラツチ リング	
30	FA4–0831–000		1	MOUNT, SOLENOID ソレノイド シバ ン	
31	FA4–0832–000		1	DRUM, CLUTCH クラツチ ド ラム	
32	FA4–0833–000		1	PLATE ヨゴ レ ボ ウシ イタ	
33	FA4–0836–000		1	PULLEY, CABLE ワイヤ プ ーリ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
384 − 34	FA4−0837−000		1	PULLEY, CABLE ブーリ	
35	FA4−0838−000		1	CABLE DRIVE, LONG ワイヤ (チヨウ)	
36	FA4−0839−000		1	CABLE DRIVE, SHORT ワイヤ (タン)	
37	FF1−6353−000		1	PLATE, CABLE ワイヤバン	
38	FA4−0842−000		1	GUIDE, PAPER, LOWER シタガイド	
39	FA4−0843−000		1	PLATE, FRONT マエ キジユンバン	
40	FA4−0846−000		1	MOUNT, PHOTO−INTERRUPTER フオトインタラプタダイ	
41	FA4−0848−000		1	ARM, SENSOR ケンチ レバー	
42	FA4−0849−000		1	PLATE, DRIVE クドウバン	
43	FA4−0850−000		1	MOUNT, CLUTCH クラッチ マワリドメ	
44	FA4−0851−000		1	SPRING, TORSION ネジリバネ	
45	FA4−0852−000		1	SPRING, TORSION ネジリバネ	
46	FA4−0853−000		1	SPRING, TORSION ネジリバネ	
47	FA4−0854−000		1	SPRING, TORSION ネジリバネ	
48	FA4−0855−000		1	SPRING, GROUNDING アースバネ	
49	FA4−0472−000		1	ARM, PAPER SENSING ケンチ アーム	
50	FA4−1179−000		1	SPRING, TORSION ネジリバネ	
51	FF1−6236−000		1	MOUNT, PAPER SENSOR レジスト センサバン	
52	WS3−0589−000		1	CONNECTOR, PCB, 2P, FEMALE コネクタ	
53	WS3−0429−000		3	CONNECTOR, PCB, 3P, FEMALE コネクタ 3P	
54	VS4−0002−009		1	CONNECTOR, 9P, FEMALE コネクタ	
55	WS4−0218−000		8	SOCKET, CONTACT, 22−26AWG ソケット コンタクト	
56	WT1−0148−000		2	SOCKET, FASTON 110, 22−24AWG フアストン	
57	WT1−0149−000		2	SLEEVE, FASTON 170823−1 フアストン スリーブ	
58	WT1−0313−000		2	SPLICE, CLOSED END ヘイタン タンシ	
59	FH7−1387−000		1	MOTOR, 24VDC モータ	
60	FH7−5087−000		2	CLUTCH, ELECTROMAGNETIC デンジ クラッチ	
61	FH7−5089−000		1	SOLENOID, 24VDC ソレノイド	
62	FH7−7080−000		1	PHOTO−INTERRUPTER UNIT フオトインタラプタ ユニット	
63	FH7−7081−000		2	PHOTO−INTERRUPTER UNIT フオトインタラプタ ユニット	
64	FS1−0701−000		1	GEAR (30T) 30T ギア	
65	FS1−1116−000		1	BUSHING アツニユウ ジクウケ	
66	FS1−1462−000		6	BUSHING ブツシング	
67	FS1−1500−000		2	BUSHING ブツシング	
68	FS1−1504−000		1	CLUTCH, ONE−WAY ワンウエイ クラッチ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
384 – 69	FS1–1507–000		8	BUSHING ブツシング	
70	FS2–2453–000		2	SPRING, TENSION ヒツパリバネ	
71	FS1–2708–000		1	SPRING, TENSION ヒツパリバネ	
72	FS1–3203–000		1	PULLEY, 22T 22T プーリ	
73	FS1–9002–000		6	SCREW, STEPPED, M4 ダンビス	
74	FS1–9195–000		2	PIBOT カイヘイダボ	
75	FS1–9196–000		2	PIBOT カイヘイダボ	
76	FS1–9197–000		1	PIVOT カイヘイダボ	
77	FS2–0549–000		1	GEAR, 16T 16T ギア	
78	FS2–0550–000		1	GEAR, 20T 20T ギア	
79	FS2–0551–000		1	GEAR, 42T/23T 42T/23T ギア	
80	FS2–0552–000		1	GEAR, 35T/18T 35T/18T ギア	
81	FS2–0553–000		1	GEAR, 18T 18T ギア	
82	FS2–0554–000		2	GEAR, 35T 35T ギア	
83	FS2–0555–000		1	GEAR, 14T 14T ギア	
84	FS2–0556–000		1	GEAR, 65T 65T プーリギア	
85	FS2–0557–000		1	GEAR, 25T 25T プーリギア	
86	FS2–0558–000		1	GEAR, 25T 25T ギア	
87	FS2–2413–000		2	SPRING, COMPRESSION アツシユクバネ	
88	FS2–2439–000		1	SPRING, COMPRESSION アツシユクバネ	
89	FS2–2440–000		1	SPRING, TORSION ネジリバネ	
90	X62–6856–000		1	CLAMP, CABLE, 4N コード ロツク	
91	X62–6765–000		1	TERMINAL, RING, 4.34MM マルガタ タンシ	
92	XG9–0094–000		4	BEARING, BALL ボールベアリング	
93	VS3–0074–000		1	CONNECTOR コネクタ	
94	WS3–0437–000		13	SOCKET, CONTACT, 20–30AWG ソケツト コンタクト	
95	FA4–0856–000		1	WASHER トルク ワツシヤ	
96	FS2–8227–000		1	LABEL ラベル	
98	XD3–1300–252		1	PIN, SPRING スプリング ピン	
99	FS2–8225–000		1	LABEL ラベル	
100	FA4–0858–000		1	SPACER スペーサ	
101	FA4–0860–000		1	ROD ジク	
102	FA4–0861–000		1	PLATE, PAPER GUIDE カミガイド バン	
103	FA4–0862–000		1	SPACER スペーサ	
104	FS1–1189–000		2	BUSHING ブツシング	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
384 -105	FA4-0864-000		1	SHEET, MYLAR マイラー シート	

FIGURE 386 FEEDER ASSEMBLY 2 DRIVE ASSEMBLY
第2搬送部 駆動部

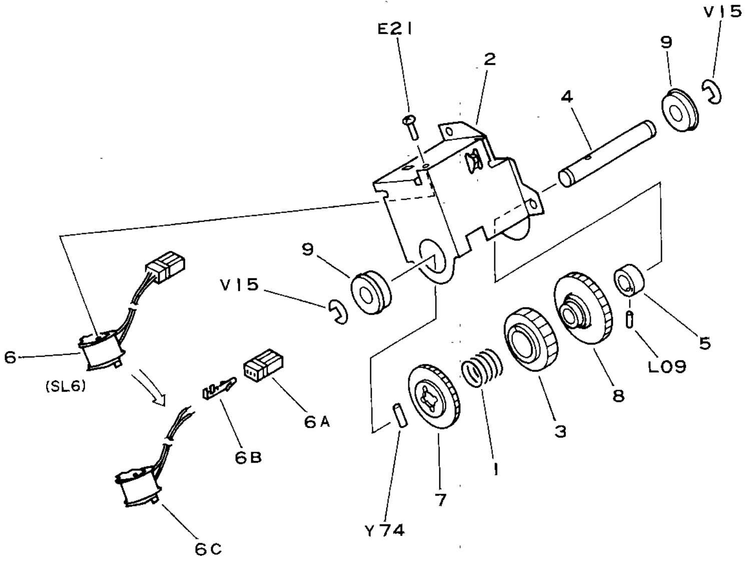
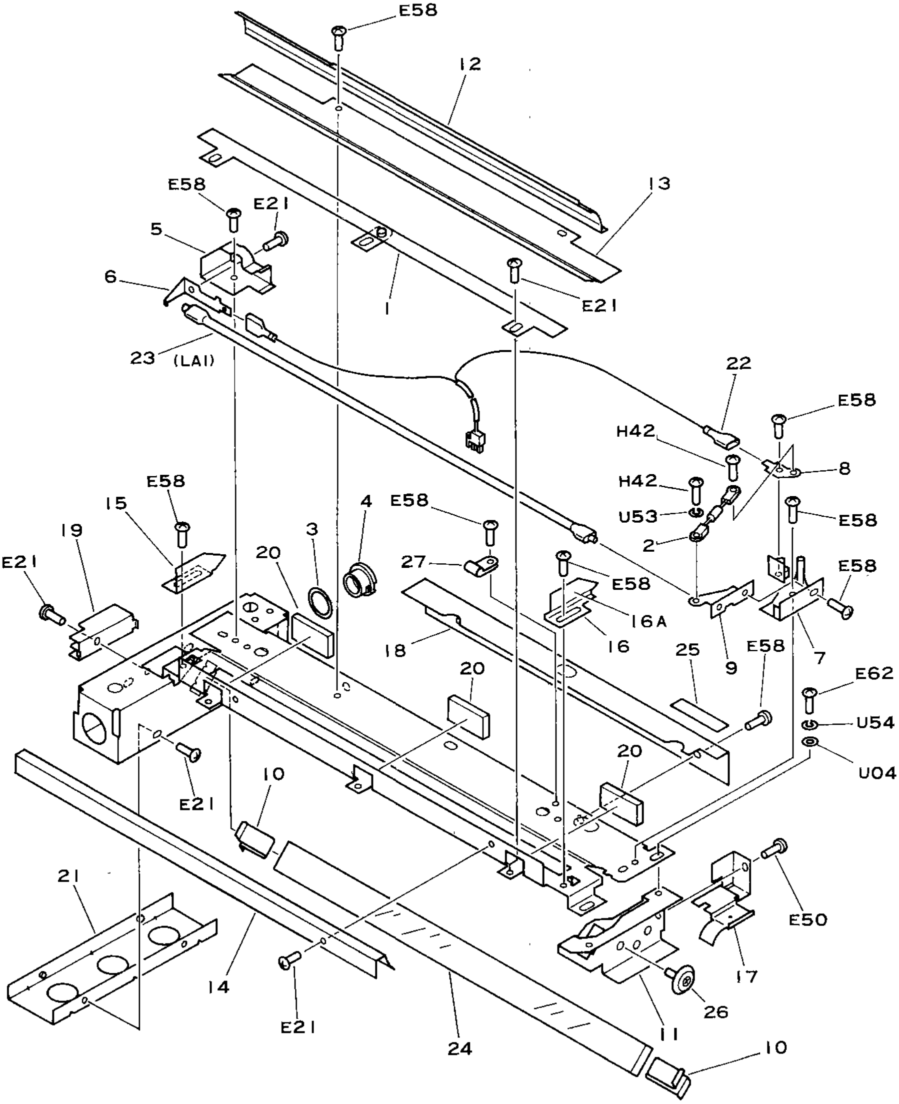


FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
386 –	FG1–5143–000		1	FEEDER 2 ASS' Y DRIVE ASS' Y ﾀﾞｲ 2ﾊﾝｿｳﾌﾞ ｸﾄﾞｳﾌﾞ	NP–4540 NP–5540
1	FA1–1333–000		1	SPRING, CLUTCH ｸﾗｯﾁ ﾊﾞﾈ	
2	FA4–0721–000		1	MOUNT, CLUTCH ｸﾗｯﾁ ﾀﾞｲ	
3	FA4–0722–000		1	RING, CLUTCH CONTROL ｾｲｷﾞﾖｶﾝ	
4	FA4–0723–000		1	SHAFT, CLUTCH ｸﾄﾞｳｼﾞｸ	
5	87–2841–000		1	COLLAR ｶﾗｰ	
6	FG9–1841–000		1	SOLENOID ASSEMBLY ｸﾄﾞｳｹｰﾌﾞﾙ	
6A	VS4–0003–003		1	CONNECTOR, 2P, FEMALE ｺﾈｸﾀ	
6B	WS3–0885–000		2	PIN, CONTACT, 20–30AWG ﾋﾟﾝｺﾝﾀｸﾄ	
6C	FH7–5119–000		1	SOLENOID, 24VDC ｿﾚﾉｲﾄﾞ	
7	FS1–3202–000		1	SPROCKET, 16T 16T ｽﾌﾟﾛｹｯﾄ	
8	FS2–0518–000		1	GEAR, 36T 36T ｷﾞｱ	
9	XG9–0013–000		2	BEARING, BALL ﾎﾞｰﾙﾍﾞｱﾘﾝｸﾞ	

FIGURE 400 MIRROR ASSEMBLY 1
第1ミラー台


E58
12
13
E58
E21
5
6
1
E21
23 (LA1)
22
E58
H42
8
H42
U53
E58
2
E58
15
19
E21
3
4
E58
20
27
E58
16A
16
9
7
18
25
E58
E62
20
U54
U04
20
E21
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E50
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26
E21
11
24
10

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
400 –	NPN		RF	MIRROR ASSEMBLY 1 ダイ 1 ミラー ダイ	
1	FF1–6204–000		1	PLATE, SLIT, EXPOSURE ロコウ スリット	
2	FF1–6211–000		1	FUSE, THERMAL, 96° C オンド ヒューズ	
3	FA2–3737–000		2	RING, GRIP ヌケドメ	
4	FA2–3727–000		2	BUSHING ブッシング	
5	FA3–8467–000		1	MOUNT, TERMINAL, REAR デンキヨクダイ オク	
6	FA3–8468–040		1	TERMINAL, LAMP, REAR ランプ デンキヨク オク	
7	FA3–8469–000		1	MOUNT, TERMINAL, FRONT デンキヨクダイ マエ	
8	FA3–8470–000		1	TERMINAL, FUSE ヒューズ デンキヨク	
9	FA3–8471–040		1	TERMINAL, LAMP, FRONT ランプ デンキヨク マエ	
10	FA3–8479–000		2	SPRING, LEAF ダイ1 ミラーオサエバネ	
11	FA4–0012–000	N	1	MOUNT, MIRROR ミラー ササエ	
12	FA4–0013–000		1	REFLECTOR, UPPER ハンシャバン (ウエ)	
13	FA4–0014–000		1	REFLECTOR, LOWER ハンシャバン (シタ)	
14	FA4–0015–000		1	REFLECTOR, AUXILIARY ハンシャバン (ホジョ)	
15	FA4–0016–000		1	REFLECTOR, SIDE, REAR サイド ミラー (ウシロ)	
16	FF1–6364–000		1	REFLECTOR, SIDE, FRONT サイド ミラー (マエ)	
16A	FA4–1188–000		1	SHEET, INSULATING ゼツエン シート	
17	FA4–0018–000		1	CLAMP コード クランプ	
18	FA4–0019–000		1	PLATE, COVER カバー	
19	FA4–0020–020		1	PLATE, LIGHT BLANKING センサーバン	
20	FA4–0023–020		3	SEAL シール	
21	FA4–0024–000		1	PLATE, SUPPORT ホキョウバン	
22	FH2–5216–000		1	LAMP CABLE ASSEMBLY コード	
23	FH7–3075–000		1	LAMP, 80V, 220W ハロゲン ランプ	100V
	FH7–3076–000		1	LAMP, 92V, 220W ハロゲン ランプ	115V
	FH7–3077–000		1	LAMP, 175V, 250W ハロゲン ランプ	220/240V
24	FN1–4137–000		1	MIRROR 1 ダイ1 ミラー	
25	FS1–8005–000		1	LABEL, ' FUSE, 96° C' メイハン	
26	XG9–0089–000		1	ROLLER, GUIDE ベアリング	
27	X62–6809–000		1	CLAMP, CABLE, 3N コード オサエ	

FIGURE 401 MIRROR ASSEMBLY 2
第2ミラー台

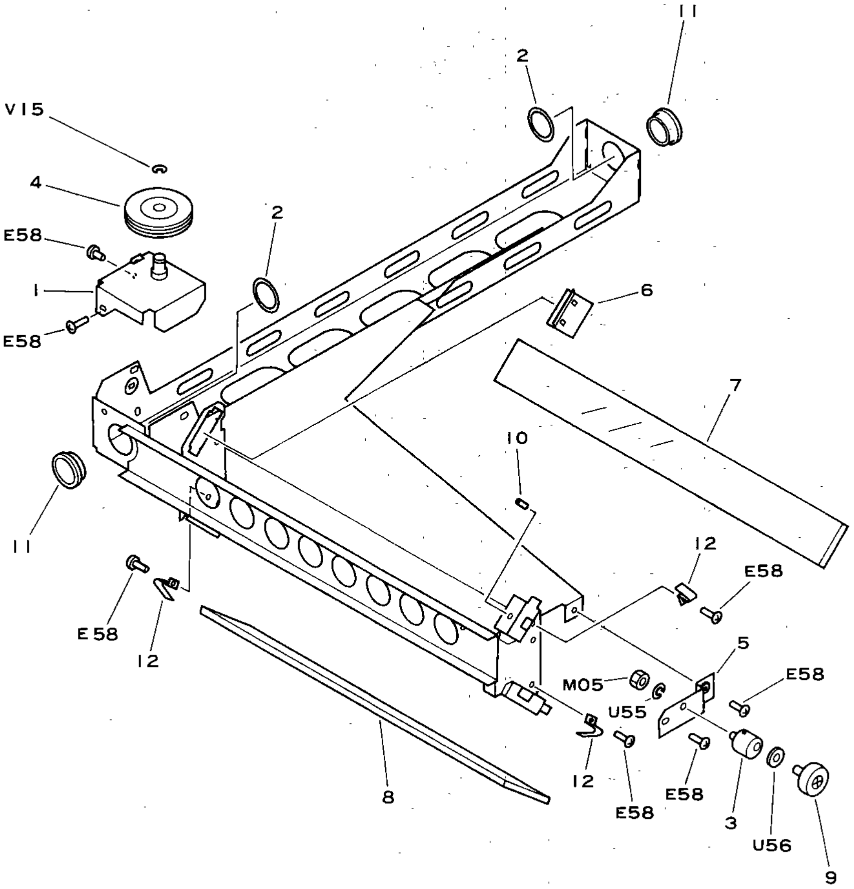

11
2
V15
4
2
E58
1
E58
6
7
10
11
12
E58
E58
12
5
M05
E58
U55
12
E58
E58
8
3
U56
9

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
401 –	NPN		RF	MIRROR ASSEMBLY 2, 3 ダイ 2, 3 ミラー ダイ	
1	FF1-6205-000		1	PLATE, SPINDLE プーリバン	
2	FA2-3737-000		2	RING, GRIP ヌケドメ	
3	FA2-8043-000		1	MOUNT, GUIDE ROLLER ヘンシンジク	
4	FA4-0032-000		1	PULLEY プーリ	
5	FA4-0034-000		1	PLATE, ROLLER MOUNTING コロ シバン	
6	FA4-0035-000		1	SPRING, LEAF ミラー オサエ バネ	
7	FN1-4138-000		1	MIRROR, 2 ダイ2 ミラー	
8	FN1-4139-000		1	MIRROR, 3 ダイ3 ミラー	
9	XG9-0089-000		1	ROLLER, GUIDE ベアリング	
10	X31-6240-880		4	SETSCREW, M4X8 ロッカク アナツキ トメネジ	
11	FA2-3727-000		2	BUSHING ブッシング	
12	FA3-8447-000		4	SPRING, LEAF イタ バネ	

FIGURE 402 MIRROR BOX ASSEMBLY ミラーボックス部

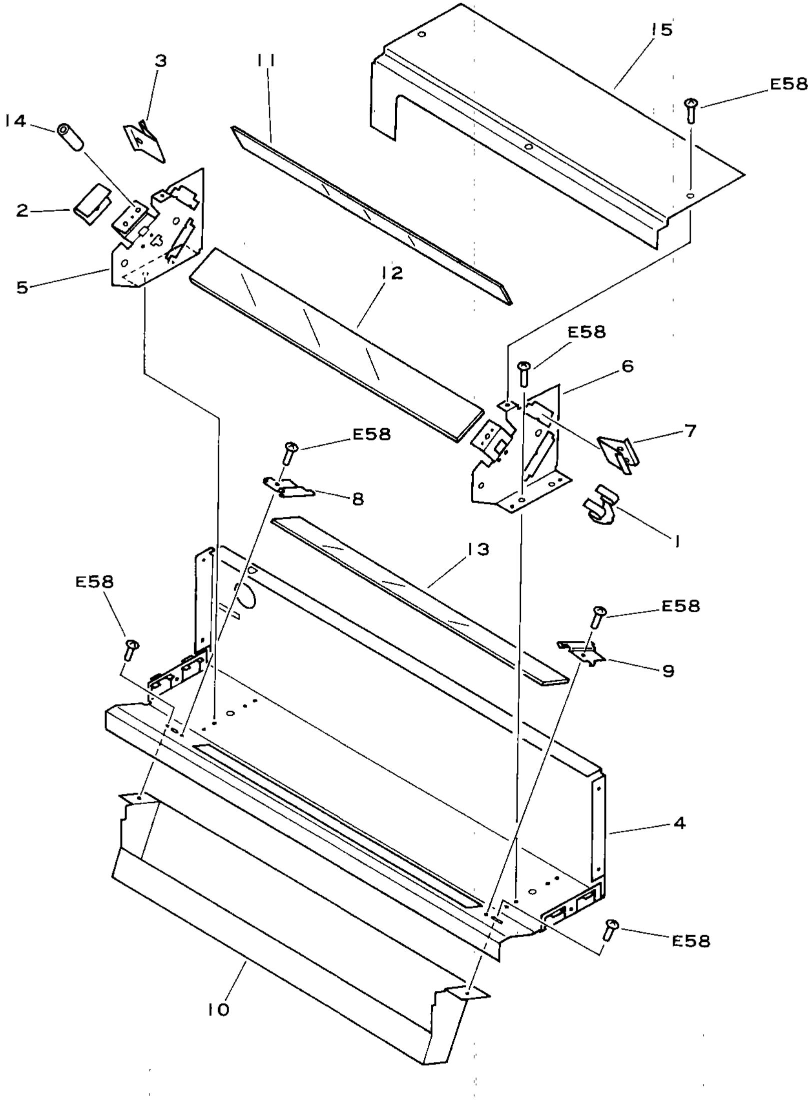

15
E58
3
11
14
2
5
12
E58
6
7
E58
8
1
13
E58
E58
9
4
E58
10

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
402 –	NPN		RF	MIRROR BOX ASSEMBLY ミラー ボックス ブ	
1	FA3–8446–000		1	SPRING, LEAF ミラー オサエ バネ (マエ)	
2	FA3–8447–000		1	SPRING, LEAF イタ バネ	
3	FA4–0035–000		2	SPRING, LEAF ミラー オサエ バネ	
4	FA4–0066–000	N	1	MOUNT, MIRROR コテイ ミラー ダイ	
5	FA4–0067–000		1	PLATE, MIRROR, REAR ミラー ササエ (ウシロ)	
6	FA4–0068–000		1	PLATE, MIRROR, FRONT ミラー ササエ (マエ)	
7	FA4–0069–000		2	SPRING, LEAF ミラー オサエ バネ	
8	FA4–0070–000		1	RETAINER, MIRROR, REAR ボウジン ガラス オサエ (ウシロ)	
9	FA4–0071–000		1	RETAINER, GLASS, FRONT ボウジン ガラス オサエ (マエ)	
10	FA4–0072–000		1	HOOD, EXPOSURE ロコウ ダクト	
11	FN1–4140–000		2	MIRROR 4.5 ダイ 4.5 ミラー	
12	FN1–4141–000		1	MIRROR 6 ダイ 6 ミラー	
13	FN1–4142–000		1	GLASS, DUST–PROOF ボウジン ガラス	
14	X31–6240–880		3	SETSCREW, M4X8 ロツカク アナツキ トメネジ	
15	FA4–1026–000		1	COVER, MIRROR ASS'Y ミラー ダイ カバー	

FIGURE 510 DRUM ASSEMBLY
感光ドラム部

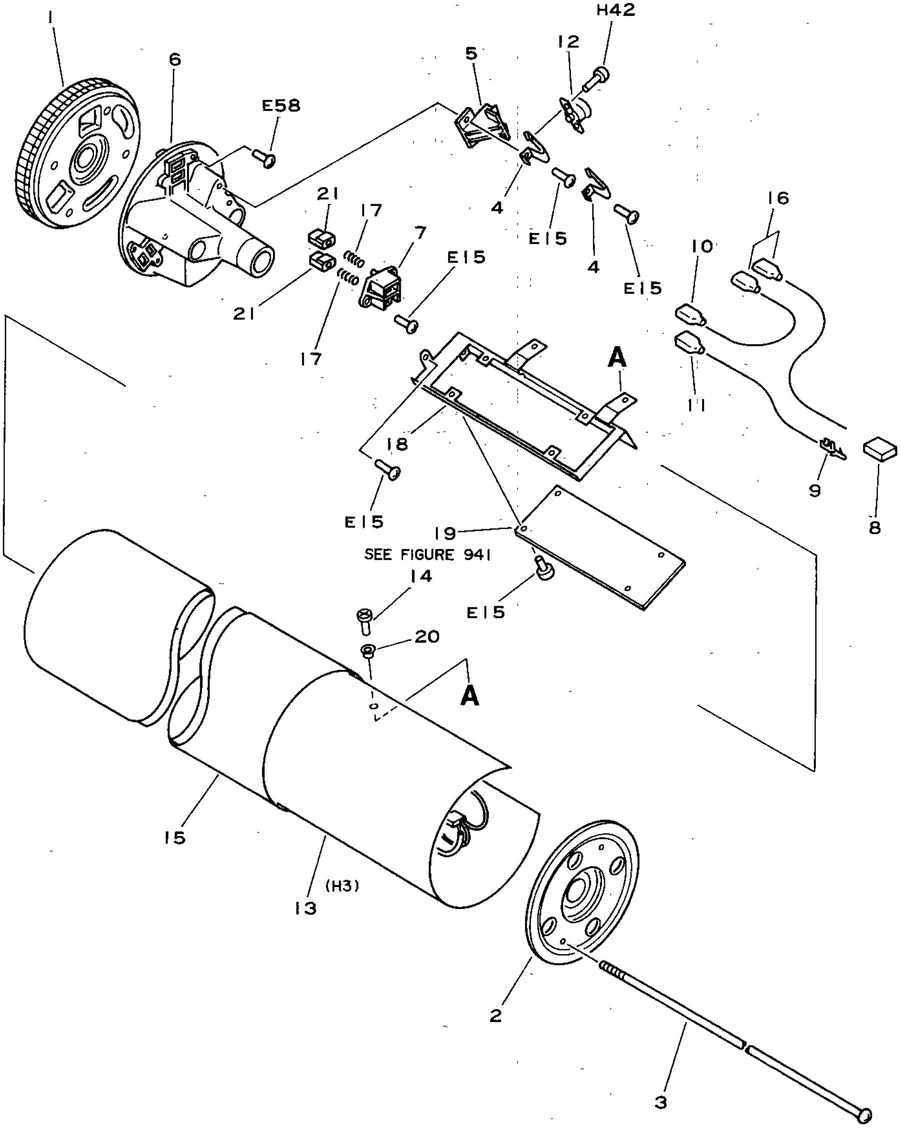

1
6
E58
5
12
H42
4
E15
4
E15
21
17
7
E15
21
17
16
10
11
A
18
9
8
E15
19
SEE FIGURE 941
E15
14
20
A
15
13
(H3)
2
3

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
510 –	NPN		RF	DRUM ASSEMBLY カンコウ ドラム ブ	
1	FF1–6316–000		1	FLANGE, GEAR, DRUM ギア フランジ	
2	FA4–0151–050	N	1	FLANGE, DRUM, FRONT ドラム マエ フランジ	
3	FA4–0154–000		2	SCREW, M4X359 ドラム ネジ	
4	FA3–2397–000		2	SPRING, LEAF オサエ バネ	
5	FA3–2398–000		1	PLATE, GUIDE ホゴ ガイド	
6	FA4–0152–000	N	1	GUIDE, DRUM ドラム ガイド	
7	FF1–6334–000		1	BRUSH シュウデン ブラシ	
8	VS3–0046–003		1	CONNECTOR, PCB, 3P, FEMALE コネクタ	
9	WS3–0916–000		2	SOCKET, CONTACT, 18–24AWG コンタクト	
10	WT1–0288–000		1	SOCKET, FASTON, SLEEVE, #187 ファストン スリーブ	
11	WT1–0289–000		1	SOCKET, FASTON 250, 22–16AWG ファストン	
12	FH7–7079–000		1	THERMOSWITCH, 240° C サーモ スイッチ	
13	FH7–4186–000		1	HEATER, DRUM, 100V 40W ドラム ヒータ	100V
	FH7–4187–000		1	HEATER, DRUM, 115V 40W ドラム ヒータ	115V
	FH7–4188–020		1	HEATER, DRUM, 220/240V 80W ドラム ヒータ	220/240V
14	XB1–2400–803		2	SCREW ビス	
15	KF1–8600–000		RF	DRUM, PHOTOSENSITIVE カンコウ ドラム	
16	WT1–0335–000		2	SOCKET, FASTON, 187 20–24AWG ファストン	
17	FS2–2036–000		2	SPRING, COMPRESSION アッシュク バネ	
18	FA4–0153–000	N	1	MOUNT, PCB キバン トリツケイタ	
19	FG1–5189–000		1	DRUM HEATER CONTROL PCB ASS'Y ドラム オンチョウ カイロ キバン	100/115V
	FG1–5190–000		1	DRUM HEATER CONTROL PCB ASS'Y ドラム オンチョウ カイロ キバン	220/240V
20	FS1–6225–000		2	COLLAR カラー	
21	FA3–2395–000		1	BRUSH ブラシ	

FIGURE 550 PRIMARY CORONA ASSEMBLY
1次帯電器

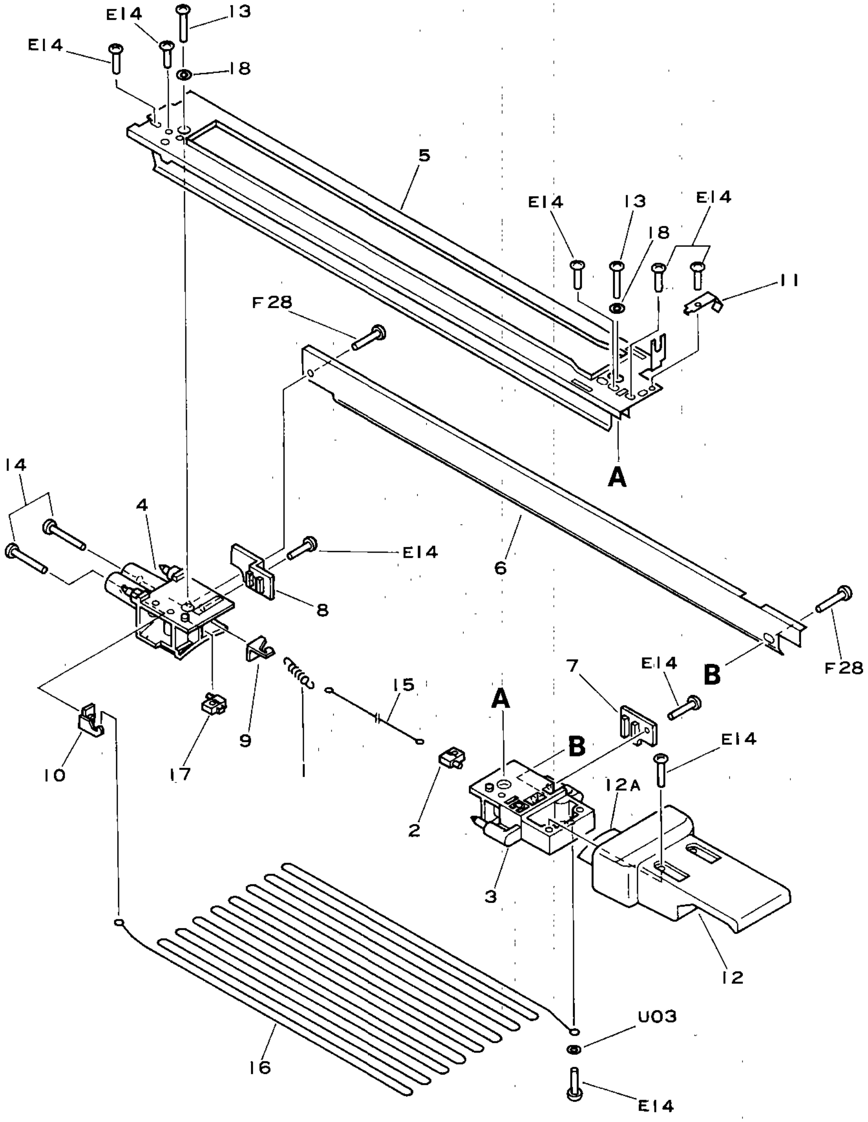

E14
13
E14
18
5
E14
13
E14
18
11
F28
A
14
4
E14
6
8
F28
B
7
E14
15
A
B
9
17
10
1
2
E14
12A
3
12
U03
16
E14

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
550 –	FG1–5105–070		1	PRIMARY CORONA ASSEMBLY 1ｼﾞ ﾀｲﾃﾞﾝｷ	
1	97–5527–000		1	SPRING, TENSION ﾋｯﾊﾟﾘﾊﾞﾈ	
2	FA4–0143–000		1	GUIDE, CORONA WIRE (FRONT) ﾀｶｻ ﾁﾖｳｾｲ ｺﾏ (ﾏｴ)	
3	FA4–0131–000		1	HOUSING,WIRE TERMINATION,FRONT ﾌﾞﾛｯｸ (ﾏｴ)	
4	FA4–0132–050		1	HOUSING,WIRE TERMINATION, REAR ﾌﾞﾛｯｸ (ｳｼﾛ)	
5	FA4–0133–000	N	1	PLATE, FRAME ｼｰﾙﾄﾞ ﾊﾞﾝ	
6	FA4–0134–000		1	PLATE, FRAME, RIGHT ｼｰﾙﾄﾞ ﾊﾞﾝ ﾐｷﾞ	
7	FA4–0135–000		1	COVER, FRONT ﾌﾞﾛｯｸ ﾏｴ ｶﾊﾞｰ	
8	FA4–0136–000		1	COVER, REAR ﾌﾞﾛｯｸ ｳｴ ｶﾊﾞｰ	
9	FA4–0137–040		1	HOOK, CORONA WIRE ﾀｲﾃﾞﾝｾﾝ ｶﾅｸﾞ	
10	FA4–0138–030		1	HOOK, GRID WIRE ﾀｲﾃﾞﾝｾﾝ ｶﾅｸﾞ	
11	FA4–0139–000		1	SPRING, LEAF, GROUNDING ｱｰｽ ﾊﾞﾈ	
12	FF1–6352–000		1	HANDLE ﾄｯﾃ	
12A	FA4–0141–000		1	SHEET ｼｰﾄ	
13	XA9–0034–000		2	SCREW, INSUL.,C.S.HEAD, M4X15 ｾﾞﾂｴﾝﾋﾞｽ	
14	XA9–0292–000		2	SCREW ﾊﾞｲﾝﾄﾞ ﾈｼﾞ	
15	FY3–0030–000		AR	WIRE, CORONA, 0.06MM (20M) ﾀｲﾃﾞﾝｾﾝ	100V
	FY3–0040–000		AR	WIRE, CORONA, 0.06MM (20M) ﾀｲﾃﾞﾝｾﾝ	115/220/240V
16	Y81–0162–000		AR	WIRE, CORONA, 0.1MM (20M) ﾀｲﾃﾞﾝｾﾝ	
17	FA4–0144–020		1	GUIDE, CORONA WIRE (REAR) ﾀｶｻ ﾁﾖｳｾｲ ｺﾏ (ｳｼﾛ)	
18	FA2–1498–000		2	WASHER ﾜｯｼﾔ	

FIGURE 560 PRE-TRANSFER CORONA ASSEMBLY
転写前帯電器

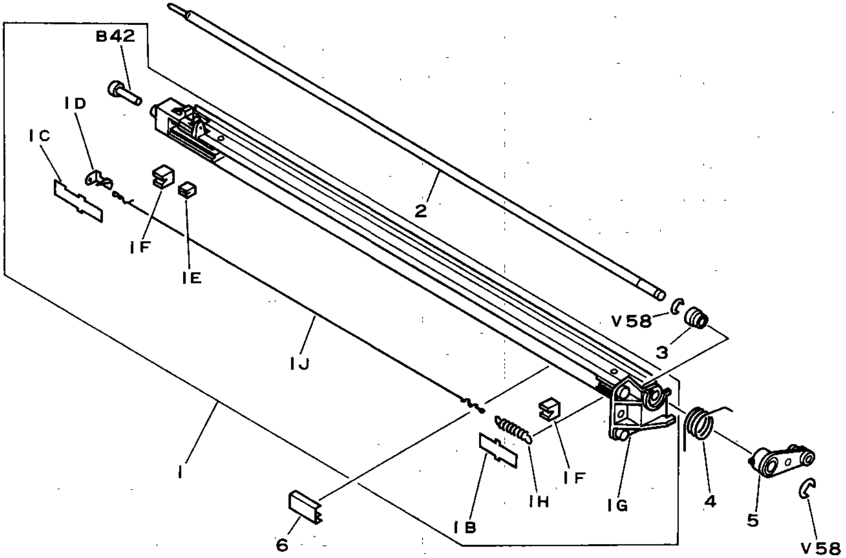

B42
1D
1C
1F
1E
2
V58
3
1J
1
1F
1H
1G
4
5
V58
1B
6

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
560 –	FG1-5115-080		1	PRETRANSFER CORONA ASSEMBLY ﾃﾝｼﾔ ﾏｴ ﾀｲﾃﾞﾝｷ	
1	FG1-5114-050		1	PRETRANSFER CORONA ASSEMBLY 1 ﾃﾝｼﾔ ﾏｴ ﾀｲﾃﾞﾝｷ (1)	
1B	FA3-2123-030		1	COVER, WIRE TERMINATION, FRONT ﾌﾀ (ﾏｴ)	
1C	FA3-2124-030		1	COVER, WIRE TERMINATION, REAR ﾌﾀ (ｳｼﾛ)	
1D	FA3-2127-000		1	TERMINAL, CORONA WIRE ﾀｲﾃﾞﾝ ﾃﾞﾝｷｮｸ	
1E	FA3-2128-000		1	DAMPER ﾊﾟｯﾄﾞ	
1F	FA3-2130-030		2	GUIDE, CORONA WIRE ﾀｲﾃﾞﾝｾﾝ ｶﾞｲﾄﾞ	
1G	FF1-6358-000		1	FRAME, PRETRANSFER CORONA ｼｰﾙﾄﾞ ﾊﾞﾝ	
1H	97-5527-000		1	SPRING, TENSION ﾋｯﾊﾟﾘ ﾊﾞﾈ	
1J	FY3-0030-000		AR	WIRE, CORONA, 0.06MM (20M) ﾀｲﾃﾞﾝｾﾝ	100V
	FY3-0040-000		AR	WIRE, CORONA, 0.06MM (20M) ﾀｲﾃﾞﾝｾﾝ	115/220/240V
2	FA4-6317-000		1	ROLLER, ELECTRODE ﾊﾞｲｱｽ ﾛｰﾗ	
3	FA3-2557-000		1	BUSHING ﾌﾞｯｼﾝｸﾞ	
4	FS2-2001-000		1	SPRING, TORSION ﾈｼﾞﾘ ﾊﾞﾈ	
5	FA3-2562-020		1	LEVER ﾊﾞｲｱｽ ﾛｰﾗ ﾚﾊﾞｰ	
6	FA4-0235-000		1	SEAL ｼｰﾙ	

FIGURE 570 TRANSFER/SEPARATION CORONA ASSEMBLY
転写/分離帯電器

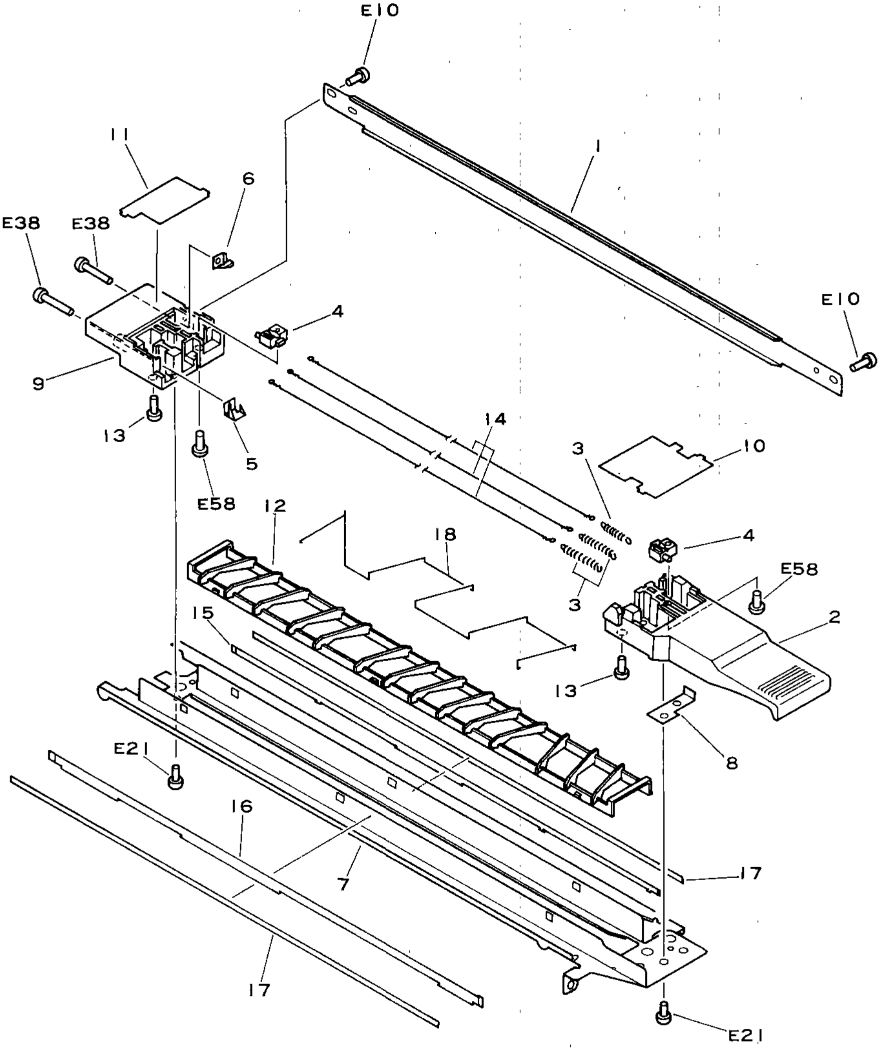

E10
11
6
E38
E38
1
4
E10
9
13
14
5
E58
3
10
12
18
4
E58
3
2
15
13
8
E21
16
17
7
17
17
E21

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
570 –	FG1–5131–060		1	TRANSFER/SEP'N.CORONA ASSEMBLY ﾃﾝｼﾔ/ﾌﾞﾝﾘ ﾀｲﾃﾞﾝｷ	
1	FF1–6225–020		1	PLATE, FRAME ｼｰﾙﾄﾞ ﾊﾞﾝ	
2	FF1–6300–020		1	HOUSING,WIRE TERMINATION,FRONT ﾌﾞﾛﾂｸ (ﾏｴ)	
3	97–5527–000		3	SPRING, TENSION ﾋﾂﾊﾟﾘ ﾊﾞﾈ	
4	FA4–0510–000		6	GUIDE, CORONA WIRE ﾀｶｻﾁﾖｳｾｲｺﾏ	
5	FA3–8829–000		1	TERMINAL, CORONA WIRE ﾜｲﾔ ｶﾞｹ	
6	FA4–0509–020		1	HOOK, WIRE ﾜｲﾔ ｶﾅｸﾞ	
7	FA4–0512–000	N	1	FRAME, MAIN ﾌﾞﾝﾘ ｼｰﾙﾄﾞ	
8	FA4–0513–000		1	SPRING, LEAF ｲﾀ ﾊﾞﾈ	
9	FA4–0515–000		1	HOUSING, WIRE TERMINATION,REAR ﾌﾞﾛﾂｸ (ｳｼﾛ)	
10	FA4–0516–000		1	COVER, WIRE TERMINATION, FRONT ﾀｲﾃﾞﾝｷ ﾌﾀ (ﾏｴ)	
11	FA4–0517–000		1	COVER, WIRE TERMINATION, REAR ﾀｲﾃﾞﾝｷ ﾌﾀ (ｳｼﾛ)	
12	FA4–0519–000		1	GUIDE, PAPER ﾌﾞﾝﾘ ｶﾐ ｶﾞｲﾄﾞ	
13	XA9–0034–000		6	SCREW, INSUL.,C.S.HEAD, M4X15 ｾﾞﾂｴﾝﾋﾞｽ	
14	FY3–0030–000		AR	WIRE, CORONA, 0.06MM (20M) ﾀｲﾃﾞﾝｾﾝ	100V
	FY3–0040–000		AR	WIRE, CORONA, 0.06MM (20M) ﾀｲﾃﾞﾝｾﾝ	115/220/240V
15	FA4–0537–000		1	SIDE PLATE 1 ｻｲﾄﾞ ﾌﾟﾚｰﾄ (1)	
16	FA4–0538–000		1	SIDE PLATE 2 ｻｲﾄﾞ ﾌﾟﾚｰﾄ (2)	
17	FA4–0539–000		2	POLYESTER TAPE ﾏｲﾗｰ ﾃｰﾌﾟ	
18	RY1–1502–000		1	GUIDE WIRE ﾜｲﾔ ｶﾞｲﾄﾞ	

FIGURE 620 HOPPER ASSEMBLY
ホッパ部

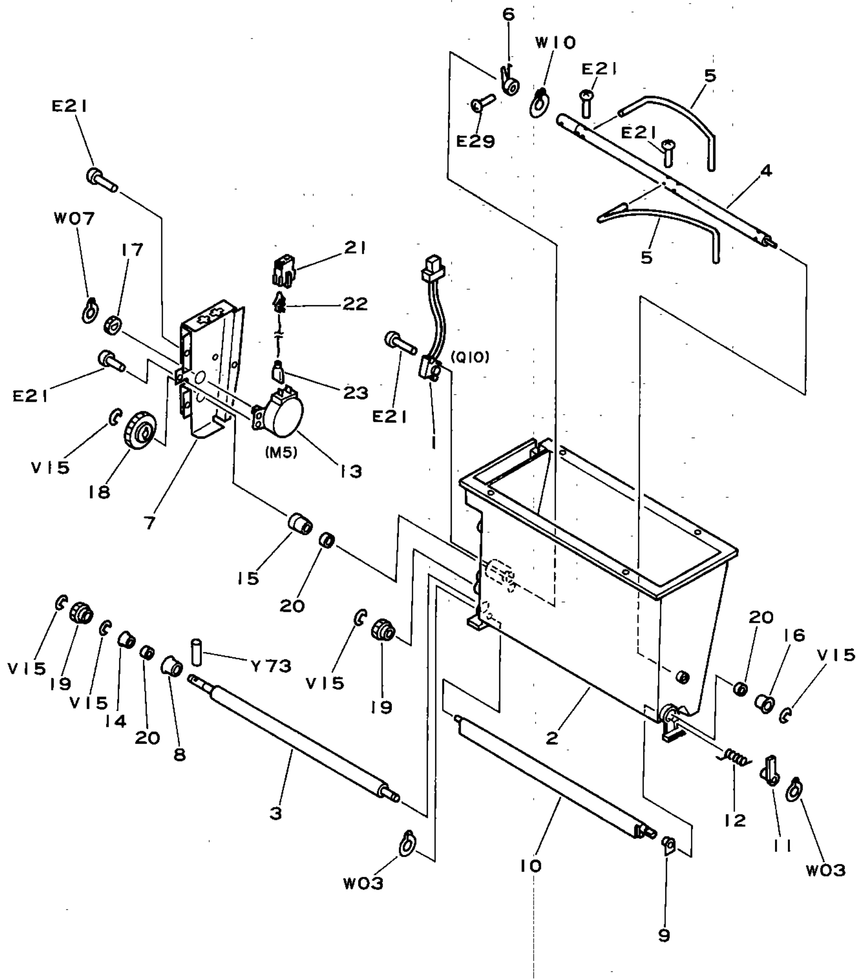

6
W10
E21
5
E21
E29
E21
4
5
W07
17
21
22
E21
(Q10)
23
E21
E21
V15
18
(M5)
13
1
7
15
20
V15
19
V15
14
20
8
Y73
V15
19
20
16
V15
2
3
12
11
W03
10
W03
9

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
620 –	FG1–5119–000		1	HOPPER ASSEMBLY ホツパ ー ブ	100V/115V
	FG1–5165–000		1	HOPPER ASSEMBLY ホツパ ー ブ	220V/240V
1	FH7–7078–000		1	SENSOR, TONER トナー センサ	
2	FF1–6319–020		1	HOPPER ホツパ ー	
3	FA4–0202–000		1	ROLLER, MAGNET マグ ネツト ローラ	
4	FA4–0203–000		1	SHAFT, DRIVE, STIRRER カクハンジ ク	
5	FA4–0204–000		2	STIRRER カクハンボ ウ	
6	FA4–0205–000		1	SCRAPER スクレーパ	
7	FA4–0206–000		1	MOUNT, MOTOR モータ シバ ン	
8	FA4–0207–000		1	HOLDER, OIL, SEAL シール ホルダ	
9	FA4–0208–000		1	BUSHING シヤツタ ジ クウケ	
10	FA4–0209–000		1	SHUTTER シヤツタ	
11	FA4–0210–000		1	ARM, SHUTTER シヤツタ レバ ー	
12	FA4–0211–000		1	SPRING, TORSION ネジ リ バ ネ	
13	FH7–1388–000		1	MOTOR, 3.5W モータ	100V/115V
	FH7–1393–000		1	MOTOR, 3.5W モータ	220V/240V
14	FS1–1202–000		1	BUSHING ブ ツシング	
15	FS1–1501–000		1	BUSHING ブ ツシング	
16	FS1–1503–000		1	BUSHING ブ ツシング	
17	FS2–0532–000		1	GEAR, 15T 15T ギ ア	
18	FS2–0627–000		1	GEAR, 60T 60T ギ ア	
19	FS2–0550–000		2	GEAR, 20T 20T ギ ア	
20	X71–9310–000		3	SEAL, OIL オイル シール	
21	VS4–0002–002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
22	WS4–0218–000		2	SOCKET, CONTACT, 22–26AWG ソケツト コンタクト	
23	WT1–0040–000		2	SOCKET, FASTON 187, 20–24AWG ソケツト コンタクト	

FIGURE 640 DEVELOPING ASSEMBLY (BLACK)
黒現像器

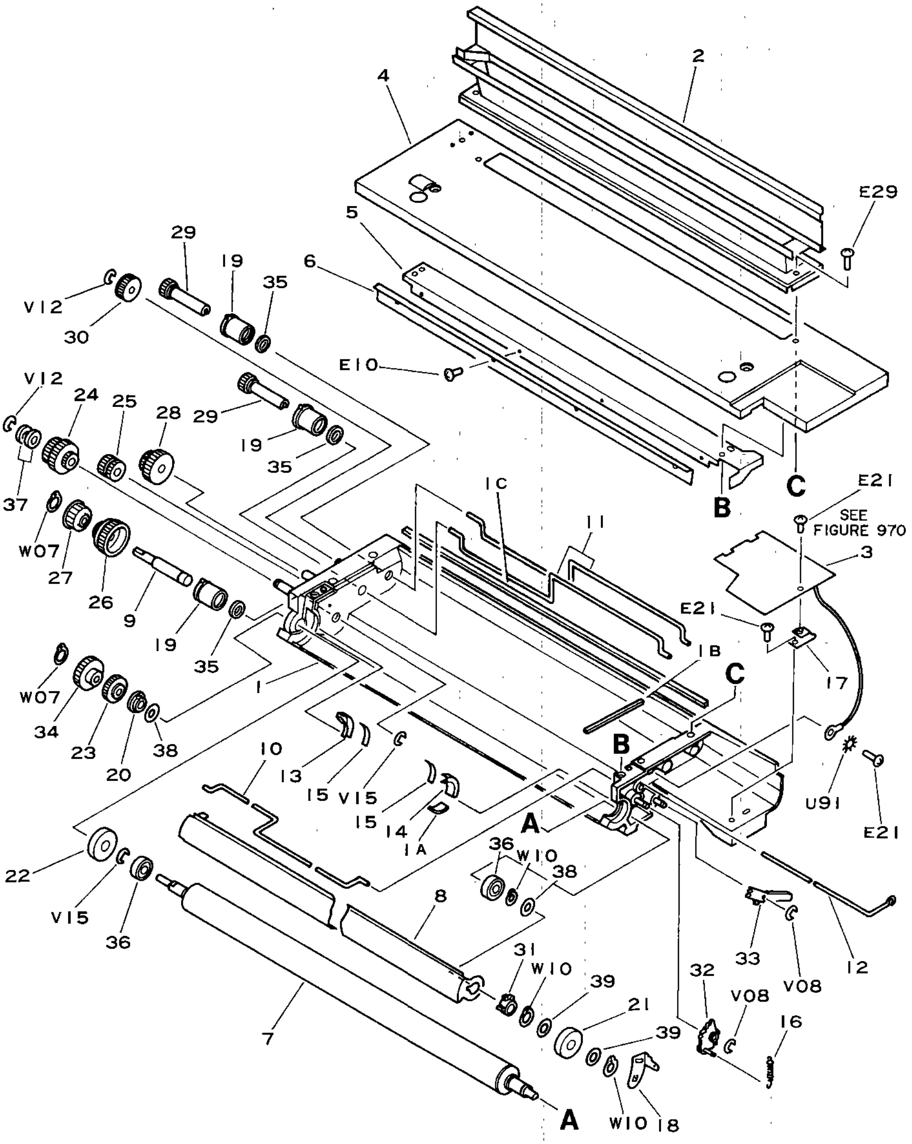

2
4
E29
5
29
19
35
6
V12
30
E10
V12
24
25
28
29
19
35
37
1C
11
B
C
E21
SEE
FIGURE 970
3
W07
27
26
9
19
35
E21
1B
17
C
W07
34
23
20
38
1
B
10
13
15
V15
15
14
1A
A
U91
E21
22
V15
36
36
W10
38
8
33
V08
12
31
W10
39
32
V08
21
39
16
7
A
W10
18

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
640 –	FG1–5112–000		1	DEVELOPING ASSEMBLY (BLACK) クロ ゲンゾウキ	
1	FF1–6274–000	N	1	HOUSING, DEVELOPING ASS'Y ゲンゾウ ヨウキ	
1A	FA4–0184–000		2	SEAL, LOWER カブ シール	
1B	FA4–0185–000		2	SEAL, A シール (A)	
1C	FA4–0186–000		1	SEAL, B シール (B)	
2	FF1–6275–000		1	SEAL, JOINT レンケツ シール	
3	FG1–5185–000		1	BLACK TONER LEVEL SENSOR PCB クロトナー ザンリヨウ ケンチ カイロ キバン	SEE FIG 970
4	FA4–0172–000		1	COVER, UPPER ウエ カバー	
5	FA4–0173–000		1	PLATE, MOUNTING ブレード トリツケバン	
6	FA4–0174–000		1	BLADE イタ ブレード	
7	FA4–0175–040		1	CYLINDER, DEVELOPING ゲンゾウ シリンダ	
8	FA4–0176–000		1	SHUTTER シヤツタ	
9	FA4–0177–000		1	SHAFT, STIRRER カクハン ジク	
10	FA4–0178–000		1	ROD 1, STIRRING カクハン ボウ (1)	
11	FA4–0179–000		2	ROD 2, STIRRING カクハン ボウ (2)	
12	FA4–0180–000		2	ROD, TONER SENSING ザンケン センサ	
13	FA4–0181–000		1	SEAL, REAR シール (ウシロ)	
14	FA4–0182–000		1	SEAL, FRONT シール (マエ)	
15	FA4–0183–000		2	SEAL, CENTER シール (ナカ)	
16	FS2–2447–000		1	SPRING, TENSION ネジリバネ	
17	FA4–0192–000		1	PLATE イタ ササエ	
18	FA4–0193–020		1	PLATE, MAGNET POSITIONING キヨク ギメバン	
19	FS1–1501–000		3	BUSHING ブツシング	
20	FS1–1502–000		1	BUSHING ブツシング	
21	FS1–6052–000		1	ROLLER, SPACER (WHITE) コロ (シロ)	
22	FS1–6222–000		1	ROLLER, SPACER (GRAY) コロ (ハイイロ)	
23	FS2–0462–000		1	GEAR, 18T ギア	
24	FS2–0522–020		1	GEAR, 19T/17T/14T 19T/17T/14T ギア	
25	FS2–0523–000		1	GEAR, 16T 16T ギア	
26	FS2–0524–000		1	GEAR, 30T/14T/10T 30T/14T/10T ギア	
27	FS2–0525–000		1	GEAR, 22T 22T ギア	
28	FS2–0526–000		1	GEAR, 27T/19T 27T/19T ギア	
29	FS2–0527–000		2	SHAFT, GEAR (14T) 14T ギアジク	
30	FS2–0528–000		1	GEAR, 20T 20T ギア	
31	FS2–0529–020		1	GEAR, 14T 14T ギア	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
640 – 32	FS2–0530–020		1	GEAR, 23T/14T 23T/14T ギア	
33	FS2–0531–000		1	GEAR, 37T 37T ギア	
34	FS2–0569–000		1	GEAR, 20T 20T ギア	
35	X71–9310–000		3	SEAL, OIL オイル シール	
36	XG2–8016–505		2	BEARING, BALL ベアリング	
37	XG2–6012–405		2	BEARING, BALL ジク ウケ	
38	FA4–0197–000		2	WASHER ワツシヤ	
39	FA9–1949–000		2	WASHER ワツシヤ	

FIGURE 641 DEVELOPING ASSEMBLY (COLOR) (½)
カラー現像器 (CDユニット) (½)

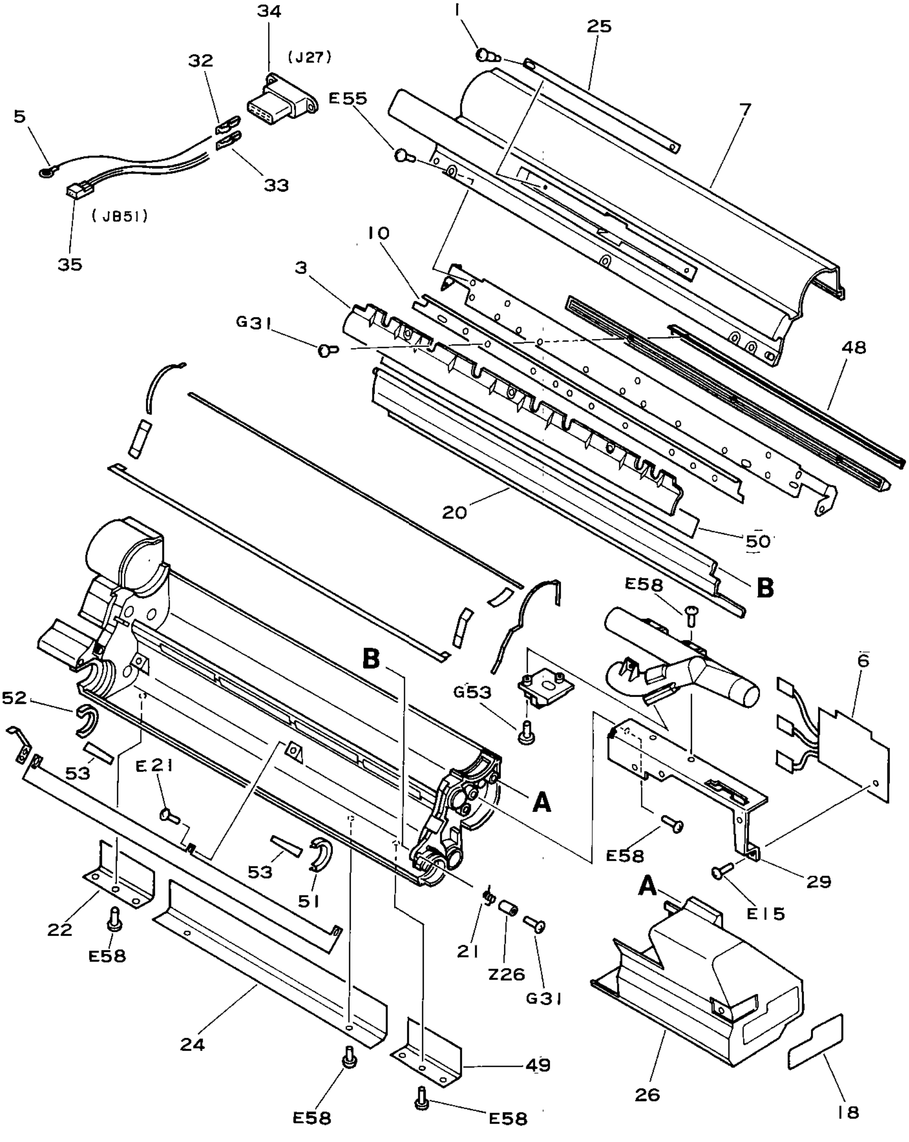

34
(J27)
32
5
33
(JB51)
35
1
25
E55
7
10
3
G31
48
20
50
B
E58
B
6
G53
52
53
E21
A
E58
29
E15
A
53
51
21
Z26
G31
22
E58
24
26
18
49
E58
E58

FIGURE 641 DEVELOPING ASSEMBLY (COLOR) (2/2)

カラー現像器 (CDユニット) (2/2)

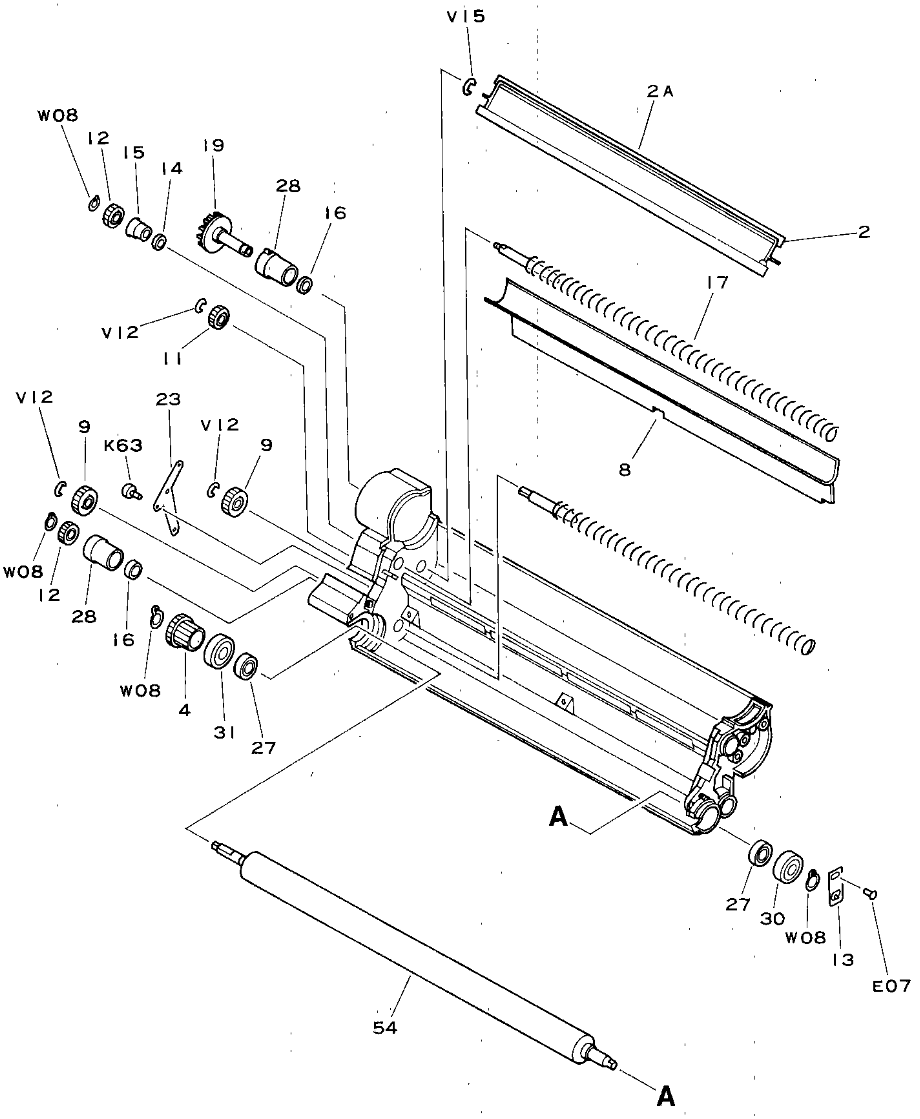

V15
2A
W08
12
15
14
19
28
16
2
17
V12
11
V12
23
V12
9
K63
9
8
W08
12
28
16
W08
4
31
27
A
27
30
W08
13
E07
54
A

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
641 –	NPN		RF	CD UNIT (COLOR DEV. ASS'Y) ｹﾞﾝｿﾞｳｷ (ｶﾗｰ)	
1	FS1-9010-000		2	SCREW, STEPPED, M4 ﾀﾞﾝﾋﾞｽ	
2	FF1-6321-000		1	STIRRER ｶｸﾊﾝ ﾎﾞｳ	
2A	FA4-0936-020		2	SEAT ﾄﾅｰ ｼｰﾄ	
3	FF1-6322-030		1	COVER, UPPER ｳｴ ﾋｻﾝ ﾎﾞｳｼ ｲﾀ	
4	FS2-0620-000		1	GEAR, 20T/20T 20T/20T ｷﾞｱ	
5	X62-6772-000		1	TERMINAL, RING, 3.68MM ﾏﾙｶﾞﾀ ﾀﾝｼ	
6	FG9-2185-000		1	COLOR TONER SENSOR PCB, RED ｶﾗｰ ﾄﾅｰ ｻﾞﾝﾘﾖｳ ｹﾝﾁ ｷﾊﾞﾝ (ｱｶ)	
	FG9-2186-000		1	COLOR TONER SENSOR PCB, BLUE ｶﾗｰ ﾄﾅｰ ｻﾞﾝﾘﾖｳ ｹﾝﾁ ｷﾊﾞﾝ (ｱｵ)	
	FG9-2187-000		1	COLOR TONER SENSOR PCB, GREEN ｶﾗｰ ﾄﾅｰ ｻﾞﾝﾘﾖｳ ｹﾝﾁ ｷﾊﾞﾝ (ﾐﾄﾞﾘ)	
	FG9-2188-000		1	COLOR TONER SENSOR PCB, BROWN ｶﾗｰ ﾄﾅｰ ｻﾞﾝﾘﾖｳ ｹﾝﾁ ｷﾊﾞﾝ (ﾁﾔ)	
7	FF1-6345-000		1	COVER, DEVELOPING ASS'Y C ｹﾞﾝｿﾞｳｷ ﾌﾀ	
8	FF1-6347-000		1	PLATE ｼｷﾘ ﾊﾞﾝ	
9	FS2-0621-000		2	GEAR, 20T 20T ｷﾞｱ	
10	FA4-0925-000		1	BLADE ﾌﾞﾚｰﾄﾞ	
11	FS2-0623-000		1	GEAR, 15T 15T ｷﾞｱ	
12	FS2-0624-000		2	GEAR, 15T 15T ｷﾞｱ	
13	FA4-0928-000		1	PLATE, MAGNET POSITIONING ｷﾖｸｷﾞﾒ ﾊﾞﾝ	
14	XG9-0111-000		1	SEAL, OIL ｵｲﾙ ｼｰﾙ	
15	FS1-1459-000		1	BUSHING ﾌﾞｯｼﾝｸﾞ	
16	X71-9310-000		2	SEAL, OIL ｵｲﾙ ｼｰﾙ	
17	FA4-0932-000		1	FEEDSCREW, TONER, UPPER ﾊﾝｿｳ ｽｸﾘｭ (ｳｴ)	
18	FS2-8270-000		1	LABEL, RED TONER ｶﾗｰ ﾄﾅｰ ﾗﾍﾞﾙ	
	FS2-8271-000		1	LABEL, BLUE TONER ｶﾗｰ ﾄﾅｰ ﾗﾍﾞﾙ	
	FS2-8272-000		1	LABEL, GREEN TONER ｶﾗｰ ﾄﾅｰ ﾗﾍﾞﾙ	
	FS2-8273-000		1	LABEL, BROWN TONER ｶﾗｰ ﾄﾅｰ ﾗﾍﾞﾙ	
19	FA4-0938-000		1	SHAFT, STIRRER ｶｸﾊﾝ ｼﾞｸ	
20	FA4-0942-000		1	SHUTTER ｽﾘｰﾌﾞ ｼﾔｯﾀ	
21	FA4-0943-000		1	SPRING, TORSION ﾈｼﾞﾘ ﾊﾞﾈ	
22	FA4-0944-000		1	SPRING, LEAF ｲﾀ ﾊﾞﾈ	
23	FA4-0945-000		1	SPRING, POSITIONING ｾｯﾃﾝ ﾊﾞﾈ	
24	FA4-0947-020		1	COVER, PCB ASS'Y ｾﾝｻ ｷﾊﾞﾝ ｶﾊﾞｰ	
25	FA4-0948-000		1	STRIP, HANDLE ﾄｯﾃ ｼｰﾄ	
26	FA4-0949-000		1	HANDLE ﾄｯﾃ	
27	XG2-8016-505		2	BEARING, BALL ﾍﾞｱﾘﾝｸﾞ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
641 - 28	FS1-1501-000		2	BUSHING ブッシング	
29	FA4-0958-000		1	MOUNT, FEEDSCREW スクリユ トリツケ バン	
30	FS1-6223-000		1	ROLLER (GREEN) コロ (ミドリ)	
31	FS1-6224-000		1	ROLLER (WHITE) コロ (シロ)	
32	FH2-5205-000		1	CONTACT 1 コンタクト	
33	FH2-5206-000		8	CONTACT 2 コンタクト	
34	FH2-5217-000		1	CONNECTOR コネクタ	
35	VS1-0440-008		1	CONNECTOR, 8P コネクタ	
48	FA4-0970-000		1	CROSSMEMBER ホキヨウ バン	
49	FA4-0971-000		1	SPRING, LEAF イタ バネ	
50	FA4-0975-000		1	SEAL シール	
51	FA4-0929-000		1	SEAL, FRONT サイド シール (マエ)	
52	FA4-0930-000		1	SEAL, REAR サイド シール (ウシロ)	
53	FA4-0956-000		2	SEAL, FOAM シール	
54	FA4-0924-000		1	CYLINDER, DEVELOPING ゲンゾウ シリンダ	

FIGURE 710 DRUM CLEANING ASSEMBLY
クリーナ部

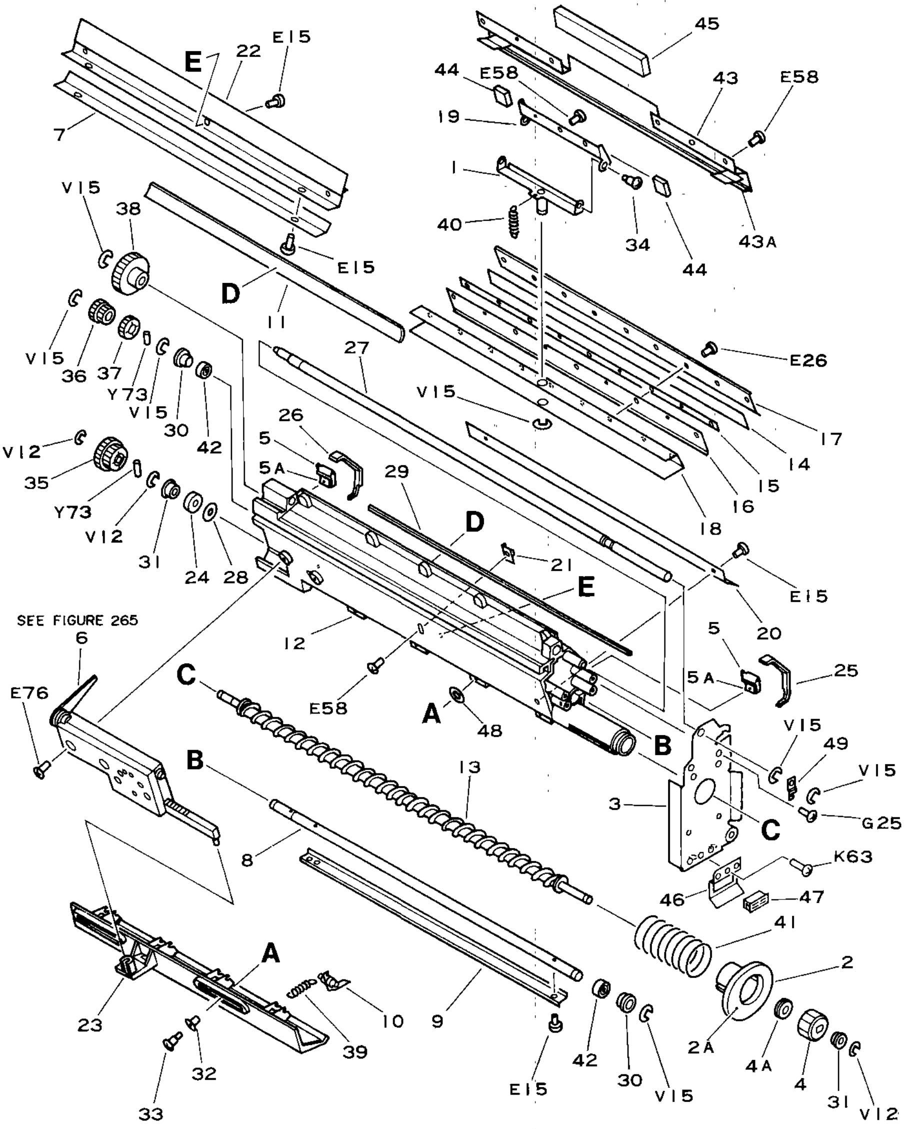

45
E15
22
E
44
E58
43
E58
7
19
1
V15
40
34
44
43A
38
E15
D
11
V15
36
37
Y73
V15
30
42
27
E26
V15
17
26
V12
5
5A
35
29
14
Y73
V12
31
24
28
15
16
D
18
21
E15
E
SEE FIGURE 265
6
12
20
5
25
E76
C
E58
5A
A
48
B
V15
49
V15
B
13
3
G25
C
8
K63
46
47
41
A
2
23
10
9
39
2A
4A
42
30
4
31
32
E15
V15
V12
33

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
710 –	FG1–5121–000		1	DRUM CLEANING ASSEMBLY クリーナブ	
1	FF1–6256–000		1	ARM, PIVOT ヨウドウバン	
2	FF1–6277–000		1	SHUTTER シヤツタ	
2A	FA4–0287–000		1	SEAL シール	
3	FF1–6278–000		1	MOUNT, FRONT マエ シバン	
4	FF1–6325–000		1	CAP キヤツプ	
4A	FA4–0276–000		1	RING, FELT フエルト	
5	FF1–6328–000		2	CAP キヤツプ	
5A	FA4–0289–000		1	SEAL シール	
6	FG1–3472–000		1	SEPARATION CLAW DRIVE ASS'Y ツメ クドウブ	SEE FIGURE 265
7	FA4–0298–000		1	PLATE トナー ウケ	
8	FA4–0292–000		1	SHAFT, TONER FEED ハンソウ ジク	
9	FA4–0293–000		1	PLATE, TONER FEED ハンソウ イタ	
10	FA3–2452–000		4	CLAW, SEPARATION ブンリ ツメ	OLD
	FA3–2452–020		4	CLAW, SEPARATION ブンリ ツメ	NEW
11	FA4–0295–000		1	SEAL シール	
12	FA4–0261–000		1	HOUSING, CLEANING ASS'Y クリーナ ケース	
13	FA4–0263–000		1	FEEDSCREW, TONER スクリユー	
14	FA2–2193–000		1	BLADE, CLEANING クリーナ ブレード	
15	FA4–0265–000		1	PLATE, BLADE ブレード スペーサ	
16	FA4–0266–000	N	1	PLATE, BLADE BACKING ブレード セイタ	
17	FA4–0267–000	N	1	RETAINER, BLADE ブレード オサエ	
18	FA4–0268–000	N	1	MOUNT, CLEANING BLADE ブレード ダイ	
19	FA4–0270–000		1	RETAINER カイテン バン	
20	FF9–0989–000		1	SCRAPER スクレーパ	
21	FA4–0273–000		1	SUPPORT, SPRING カアツ バネ カケ	
22	FF1–6348–000		1	SHEET スクイ シート	
23	FA4–0275–000		1	MOUNT, SEPARATION CLAW ツメ ホルダ	
24	FA4–0276–000		1	RING, FELT フエルト	
25	FA4–0279–030		1	SEAL, SIDE, FRONT サイド シール (マエ)	
26	FA4–0280–000		1	SEAL, SIDE, REAR サイド シール (ウシロ)	
27	FA4–0281–000		1	SHAFT, SET セツト ジク	
28	FA4–0284–000		1	SPACER スペーサ	
29	FA4–0285–000		1	SEAL シール	
30	FS1–1202–000		2	BUSHING ブツシング	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
710 - 31	FS1-1205-000		2	BUSHING ブツシング	
32	FS1-6216-000		2	COLLOR カラー	
33	FS1-9051-000		2	SCREW, STEPPED ダンビス	
34	FS1-9073-000		2	SCREW, STEPPED, M4 ダンビス	
35	FS2-0564-000		1	GEAR, 24T/20T ギア 24T/20T	
36	FS2-0565-000		1	GEAR, 16T/14T ギア 16T/14T	
37	FS2-0566-000		1	GEAR, 18T ギア 18T	
38	FS2-0567-020		1	GEAR, 34T ギア 34T	
39	FS2-2450-000		4	SPRING, TENSION ヒツパリバネ	
40	FS2-2433-000		1	SPRING, TENSION ヒツパリバネ	
41	FS2-2434-000		1	SPRING, COMPRESSION アツシユクバネ	
42	X71-9310-000		2	SEAL, OIL オイル シール	
43	FF1-6336-000	N	1	PANEL, LIMIT キセイ バン	
43A	FA4-0290-000		1	SEAL, LIMIT キセイ バン シール	
44	FA4-0294-000		2	SEAL, UPPER, LIMIT キセイ バン ジヨウ シール	
45	FA4-0291-000		1	SEAL, UPPER, LIMIT キセイ バン ジヨウ シール	
46	FA4-0902-000		1	MOUNT, MAGNET CATCH マグネツト キヤツチ ダイ	
47	XZ9-0245-000		1	CATCH, MAGNET マグネツト キヤツチ	
48	FA4-0300-000		2	WASHER ワツシヤ	
49	FA4-0296-000		1	PLATE,CLEANING ASS'Y RETAINING クリーナ コテイ バン	

FIGURE 770 WASTE TONER BOX ASSEMBLY
廃トナーボックス部

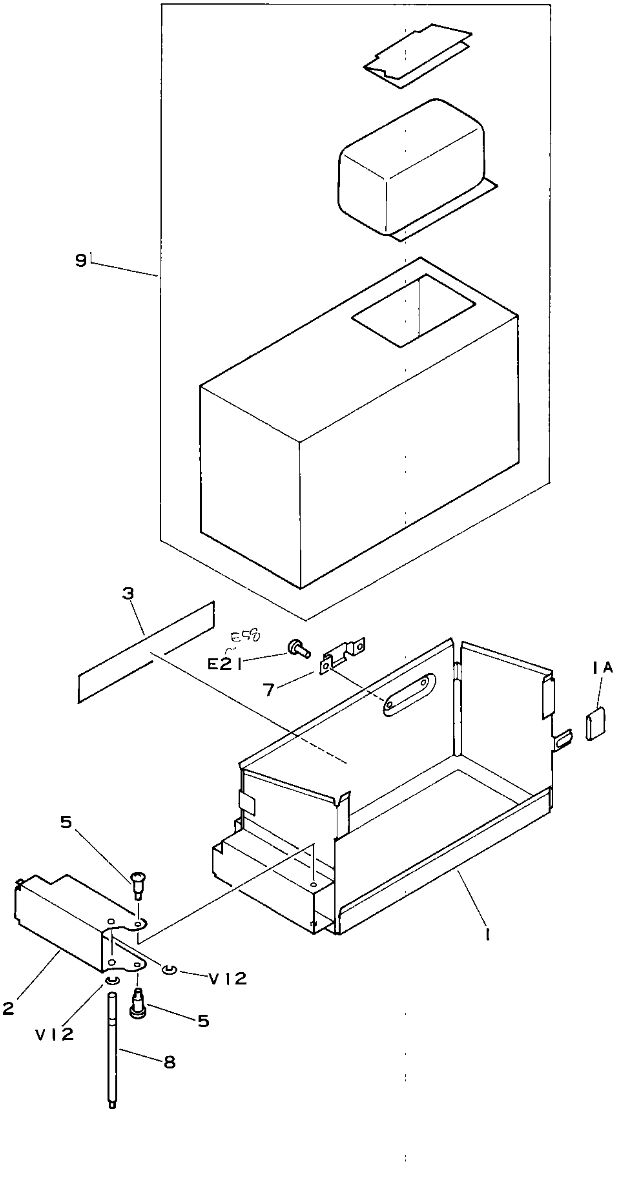

9
3
E58
E21
7
1A
5
1
2
V12
V12
5
8

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
770 –	NPN		RF	WASTE TONER BOX ASSEMBLY ハイトナー ボツクス	
1	FF1–6349–000		1	HOLDER, WASTE TONER ハイトナー ウケ	
1A	FA3–5102–000		1	CAP キヤツプ	
2	FA4–0897–000	N	1	PLATE, HINGE ハイトナー ヒンジ バン	
3	FS2–8220–000		1	LABEL ラベル	
5	FS1–9169–000		2	SCREW, STEPPED, M4 ダンビス	
7	FA4–0901–000		1	PLATE, CATCH キヤツチ バン	
8	FA4–0899–000		1	ROD ジク	
9	FY7–0171–000 FA4-1491-000		1	CONTAINER, WASTE TONER ハイトナー ヨウキ	

FIGURE 810 FIXING ASSEMBLY (1/3)
定着器 (1/3)

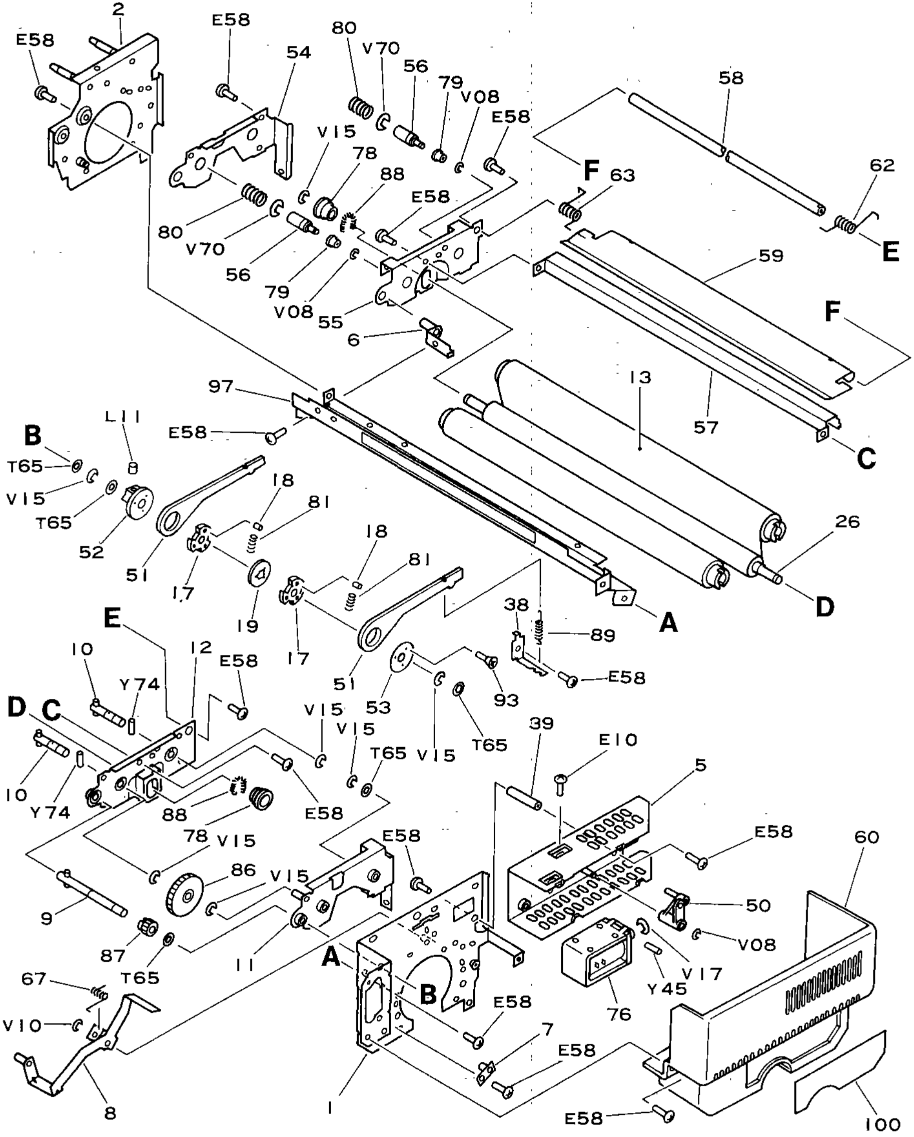
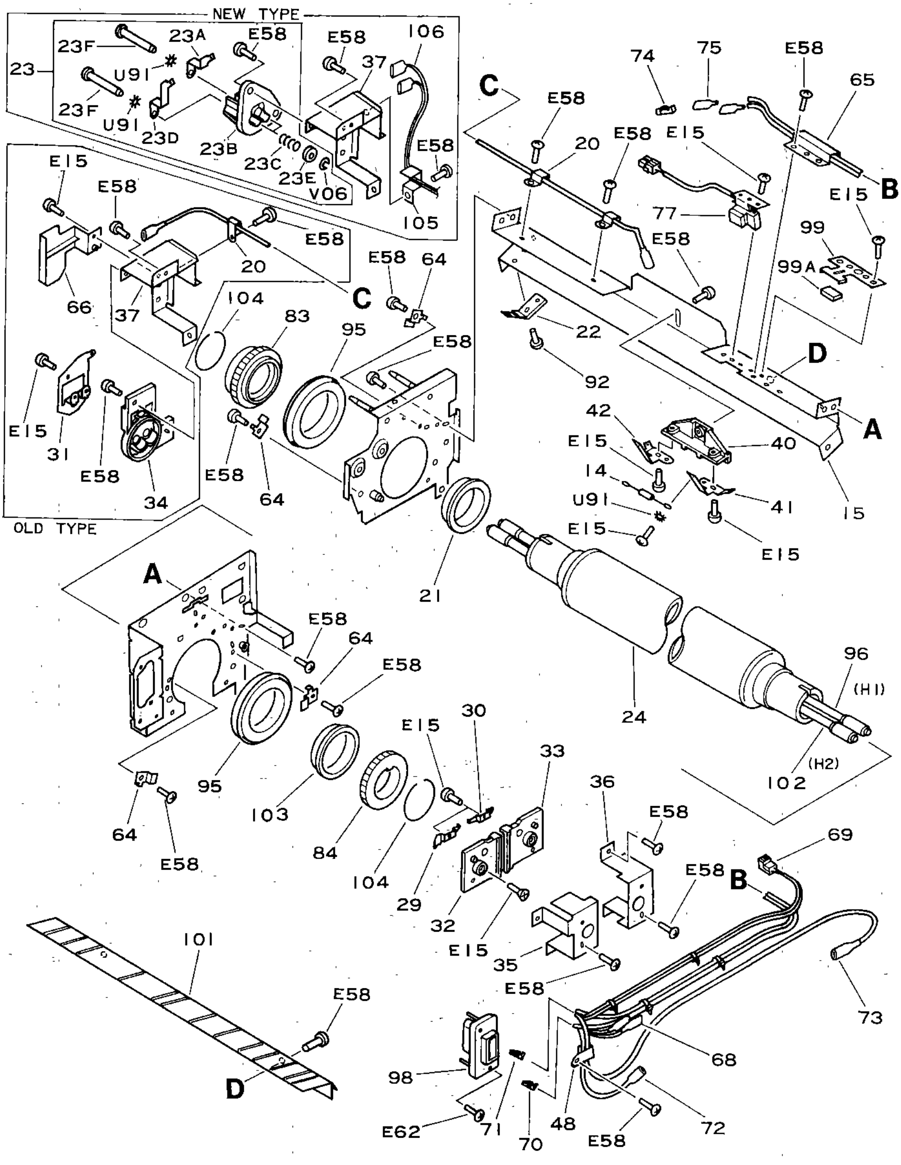

2
E58
E58
54
80
V70
56
79
V08
E58
58
V15
78
88
E58
F
63
62
80
V70
56
79
V08
55
E
59
6
F
97
13
L11
E58
57
B
C
T65
V15
T65
18
81
52
51
17
19
18
81
26
17
51
38
89
A
D
E
10
12
E58
Y74
D
C
V15
53
V15
93
E58
10
Y74
T65
V15
T65
39
E10
5
88
78
E58
V15
E58
E58
60
86
V15
9
50
87
11
V08
T65
A
V17
67
B
Y45
V10
E58
76
7
E58
8
1
E58
100

FIGURE 810 FIXING ASSEMBLY (2/3)
定着器 (2/3)



NEW TYPE
23
23F
23A
E58
U91
23F
U91
23D
23B
23C
23E
V06
E58
37
106
E58
105
C
E58
20
E58
E15
74
75
E58
65
B
E15
77
E15
99
99A
E58
22
92
D
A
15
42
40
E15
14
U91
41
E15
E15
E15
E58
66
37
20
E58
C
E58
64
104
83
95
E58
E15
31
E58
34
E58
64
OLD TYPE
21
24
96
(H1)
102
(H2)
A
E58
64
E58
95
64
E58
103
84
104
E15
30
29
33
32
E15
36
E58
E58
B
69
35
E58
73
68
101
E58
D
98
E62
71
70
48
E58
72

FIGURE 810 FIXING ASSEMBLY (3/3)
定着器 (3/3)

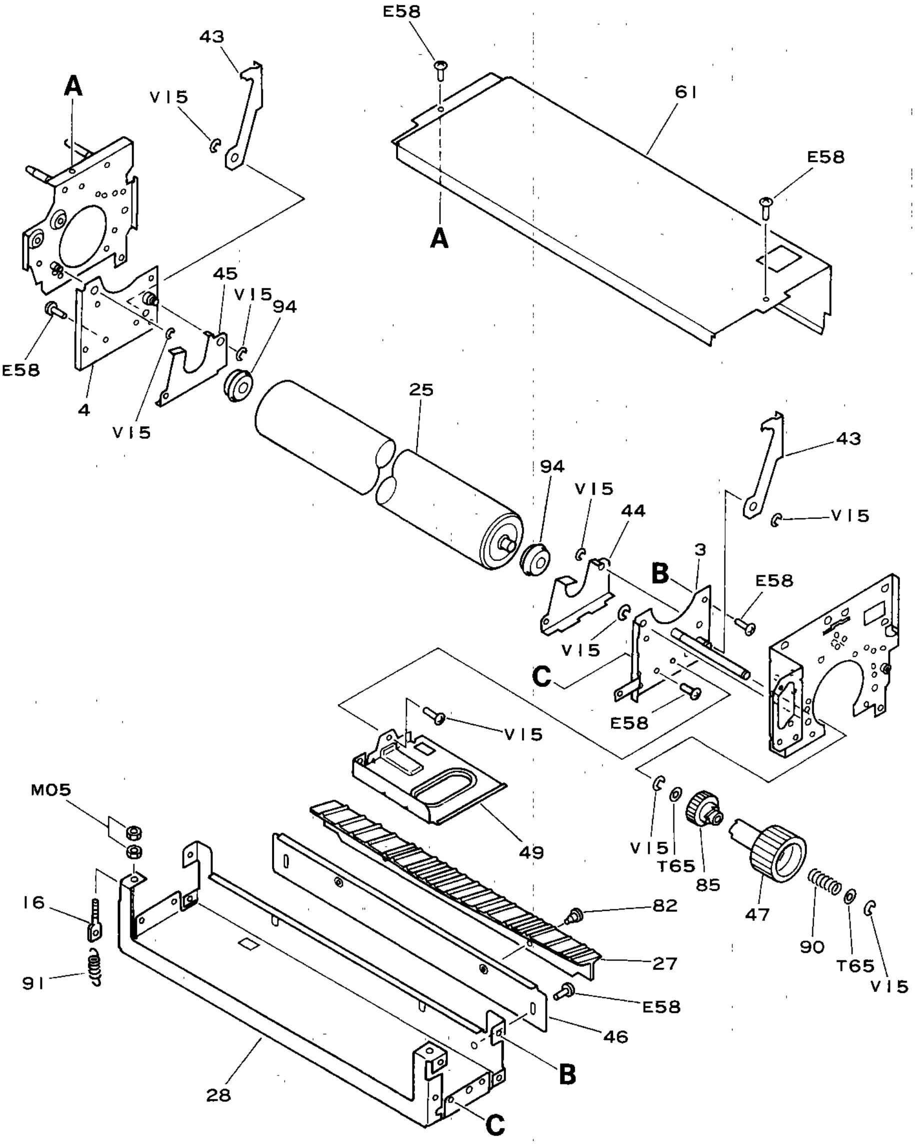

E58
43
A
V15
61
E58
A
45
V15
94
E58
4
V15
25
94
V15
44
43
V15
3
B
E58
V15
C
E58
V15
M05
49
V15
T65
85
47
16
82
90
27
T65
91
V15
E58
46
B
28
C

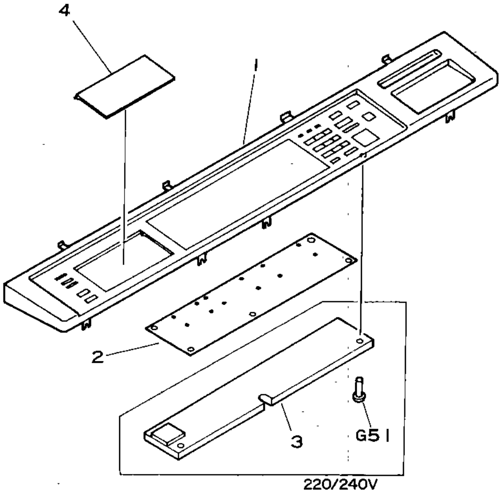
FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
810 –	FG1–5136–090		1	FIXING ASSEMBLY (100V) テイチヤク キ	100V
	FG1–5137–090		1	FIXING ASSEMBLY (115V) テイチヤク キ	115V
	FG1–5138–090		1	FIXING ASSEMBLY (220V) テイチヤク キ	220V
	FG1–5139–090		1	FIXING ASSEMBLY (240V) テイチヤク キ	240V
	FG1–5229–000		1	FIXING ASSEMBLY (127V) テイチヤク キ	127V
1	FF1–6257–000	N	1	ENDPLATE, UPPER, FRONT ウエ ソクバ ン (マエ)	
2	FF1–6258–000	N	1	ENDPLATE, UPPER, REAR ウエ ソクバ ン (ウシロ)	
3	FF1–6259–000	N	1	ENDPLATE, LOWER, FRONT シタ ソクバ ン (マエ)	
4	FF1–6260–000	N	1	ENDPLATE, LOWER, REAR シタ ソクバ ン (ウシロ)	
5	FF1–6261–000		1	MOUNT, DRIVE, FIX ROLL CLEANER ウエブ クド ウ ダ イ	
6	FF1–6262–000		1	PLATE, PIN ウエブ ユニツト シバ ン	
7	FF1–6263–000		1	PLATE, PIN イチギ メ ピ ン	
8	FF1–6273–000		1	LEVER, PAPER SENSOR カミ ケンチ レバ ー	
9	FF1–6301–020		1	SHAFT, CLEANING BELT DRIVE ワンウエイ レバ ー ジ ク	
10	FF1–6302–000		2	SHAFT, FRONT, FIX ROLL CLEANER ウエブ シジ ク (マエ)	
11	FF1–6307–000	N	1	SIDE PLATE, FRONT, 1 マエ ソクバ ン (1)	
12	FF1–6308–000	N	1	SIDE PLATE, FRONT, 2 マエ ソクバ ン (2)	
13	FF1–2538–000		1	CLEANING BELT ASS'Y ウエブ	
14	FF1–2556–000		1	FUSE, THERMAL, 192°C オンド ヒユーズ	
15	FF1–6327–000	N	1	CROSSMEMBER, RIGHT ミギ ステー	
16	FA2–3117–000		2	HANGER, ROLLER PRESSURE SPRING ヒツバ リ ボ ウ	
17	FA2–7216–000		2	CAM, ONE WAY CLUTCH ワンウエイ カム	
18	FA2–7218–000		6	BALL, ONE WAY CLUTCH ワンウエイ ジ ク	
19	FA2–7219–000		1	SPACER スペ ーサ	
20	FA2–8341–000		2	CLAMP コード クランプ	
21	FA3–2668–020		1	BUSHING ブ ツシング	
22	FA4–0623–000		1	PLATE, STATIC CHARGE ELIMINA. ローラ ジ ヨデ ンバ リ	
23	FG9–2266–000		1	CONTACT ASSEMBLY, REAR デ ンキヨク (ウシロ)	
23A	FA4–0575–050		1	CONTACT, HEATER, REAR (NEW) デ ンキヨク (ウシロ)	
23B	FA4–0578–040		1	MOUNT, REAR, HEATER TERMINAL NEW デ ンキヨク ダ イ (ウシロ)	
23C	FS2–2452–000		2	SPRING COMPRESSION アツシユク バ ネ	
23D	FA4–0628–000		1	CONTACT, HEATER, REAR, LEFT デ ンキヨク (オクヒダ リ)	100/115/127V
23E	FA4–0668–000		2	SPACER スペ ーサ	
23F	FA4–0669–000		2	SHAFT ジ ク	
24	FA4–0561–030		1	ROLLER, FIXING, UPPER ウエ ローラ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
810 – 25	FA4–0562–000		1	ROLLER, FIXING, LOWER シタ ローラ	
26	FA4–0563–000		1	ROLLER, CLEANING BELT PRESSURE ウエブ ローラ	
27	FA4–0564–000		1	GUIDE, PAPER テイチヤク ガイド	
28	FA4–0571–000	N	1	BASEPLATE ソコイタ	
29	FF1–6359–000		1	CONTACT, HEATER, FRONT, LEFT デンキヨク (マエ ヒダリ)	100/115/127V (NEW)
	FY1–0546–000		1	CONTACT, HEATER, FRONT, LEFT デンキヨク (マエヒダリ)	100/115/127V OLD
30	FF1–6360–000		1	CONTACT, HEATER, FRONT, RIGHT デンキヨク (マエ ミギ)	NEW
	FY1–0547–000		1	CONTACT, HEATER, FRONT, RIGHT デンキヨク (マエミギ)	OLD
31	FA4–0575–000		1	CONTACT, HEATER, REAR (OLD) デンキヨク (ウシロ)	OLD
32	FA4–0576–000		1	MOUNT, FRONT, HEATER TERMINAL デンキヨクダイ (マエヒダリ)	
33	FA4–0577–000		1	MOUNT, FRONT, HEATER TERMINAL デンキヨクダイ (マエミギ)	
34	FA4–0578–000		1	MOUNT, REAR, HEATER TERMINAL デンキヨクダイ (ウシロ)	OLD
35	FA4–0579–000		1	PLATE, FRONT, HEATER MOUNT デンキヨクダイ シバン (マエ)	
36	FA4–0580–000		1	PLATE, FRONT, HEATER MOUNT デンキヨクダイ シバン (マエ)	
37	FA4–0581–000		1	PLATE, REAR, HEATER MOUNT デンキヨクダイ シバン (ウシロ)	OLD
	FA4–0581–040		1	PLATE, REAR, HEATER MOUNT デンキヨクダイ シバン (ウシロ)	NEW
38	FA4–0584–000		1	MOUNT, SPRING バネ カケ	
39	FA4–0586–000		4	ROD ダンネツ シチユウ	
40	FA4–0587–000		1	MOUNT, THERMAL FUSE オンド ヒユーズ ダイ	
41	FA4–0588–000		1	TERMINAL 1, THERMAL FUSE ヒユーズ タンシ 1	
42	FA4–0589–000		1	TERMINAL 2, THERMAL FUSE ヒユーズ タンシ 2	
43	FA4–0590–000		2	ARM, PRESSURE カアツ レバー	
44	FA4–0591–000		1	MOUNT, ROLLER, FRONT カアツ ローラダイ (マエ)	
45	FA4–0592–000		1	MOUNT, ROLLER, REAR カアツ ローラダイ (ウシロ)	
46	FA4–0593–000		1	MOUNT, PAPER GUIDE テイチヤク イリグチ ガイドダイ	
47	FA4–0594–000		1	KNOB ツマミ	
48	FA4–0595–000		1	CLAMP, CABLE コード オサエ	100/115/127V
49	FA4–0597–000		1	PLATE, HANDLE テイチヤク トツテ シバン	
50	FA4–0598–000		1	ARM, SOLENOID ソレノイド アーム	
51	FA4–0600–000		2	FOLLOWER, BELT DRIVE CAM ワンウエイ レバー	
52	FA2–7215–000		1	PLATE, SIDE, ONE WAY CLUTCH ボス	
53	FA2–7220–000		1	PLATE, SIDE, ONE WAY CLUTCH トメイタ	
54	FA4–0605–000	N	1	SIDE PLATE, REAR 1 ウシロ ソクバン (1)	
55	FA4–0606–000	N	1	SIDE PLATE, REAR 2 ウシロ ソクバン (2)	
56	FA4–0610–000		2	SPINDLE, REAR ウエブ シジク (ウシロ)	

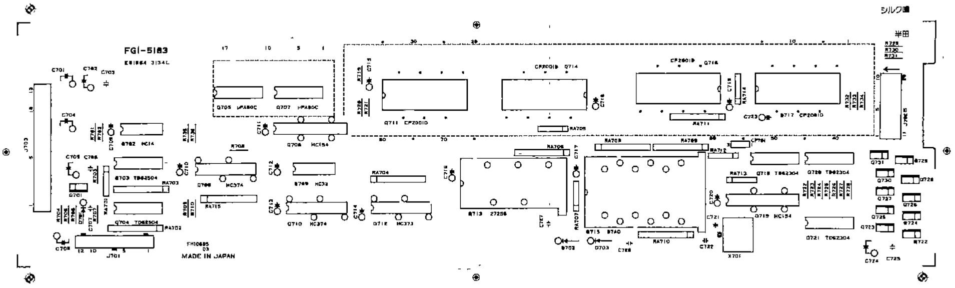
FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
810 − 57	FA4−0611−000		1	CROSSMEMBER, MIDDLE ナカ ステー	
58	FA4−0612−000		1	CROSSBAR, RIGHT ミギ ステー	
59	FA4−0613−000		1	PLATE ウエブ オサエ	
60	FA4−0614−020		1	COVER, FRONT, FIX. ASS'Y テイチャク マエカバー	
61	FA4−0615−000		1	COVER, UPPER テイチャク ウエカバー	
62	FA4−0616−000		1	SPRING, TORSION ネジリバネ	
63	FA4−0617−000		1	SPRING, TORSION ネジリバネ	
64	FA4−0618−000		4	RETAINER, BEARING ベアリング オサエ	
65	FA4−0620−000		1	CLAMP, CABLE コード オサエ	
66	FA4−0621−000		1	COVER, TERMINAL (OLD) デンキヨク カバー	OLD
67	FA4−0622−000		1	SPRING, TORSION ネジリバネ	
68	X62−5334−000		4	SOCKET, FASTON 250, 14−18AWG ファストン	
69	VS1−0066−003		1	CONNECTOR, 3P コネクタ	
70	WS4−0211−000		3	CONTACT, 14−16AWG コンタクト	
71	WS4−0212−000		5	CONTACT, 18−24AWG コンタクト	
72	WT1−0015−000		1	SOCKET, FASTON 187, 16−20AWG ファストン	
73	WT1−0146−000		1	SOCKET, FASTON 14−18AWG ファストン	100/115/127V
74	WT1−0148−000		2	SOCKET, FASTON 110, 22−24AWG ファストン	
75	WT1−0149−000		2	SLEEVE, FASTON 170823−1 ファストン スリーブ	
76	FH7−5104−000		1	SOLENOID, 24VDC ソレノイド	
77	FH7−7076−000		1	THERMISTOR サーミスタ	
78	FS1−1347−000		2	BUSHING ブッシング	
79	FS1−1348−000		2	BUSHING ブッシング	
80	FS1−2515−000		2	SPRING, COMPRESSION アッシュク バネ	
81	FS1−2751−000		6	SPRING, COMPRESSION アッシュク バネ	
82	FS1−9076−000		1	SCREW ダンビス	
83	FS2−0570−000		1	GEAR, 49T 49T ギア	
84	FS2−0571−000		1	GEAR, 50T 50T ギア	
85	FS2−0572−000		1	GEAR, 24T 24T ギア	
86	FS2−0573−000		1	GEAR, 60T 60T ギア	
87	FS2−0574−000		1	GEAR, 22T 22T ギア	
88	FS2−2020−000		2	SPRING, TENSION ネジリバネ	
89	FS2−2422−000		2	SPRING, TENSION ヒッパリバネ	
90	FS2−2423−000		1	SPRING, COMPRESSION アッシュク バネ	
91	FS2−2424−000		2	SPRING, TENSION ヒッパリバネ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
810 – 92	XA9–0192–000		1	SCREW WITH WASHER, M4X6 ビス	
93	XA1–1261–609		3	SCREW ナベ コネジ	
94	XG9–0018–000		2	BEARING, BALL ベアリング	
95	XG9–0139–000		2	BEARING, BALL ベアリング	
96	FH7–4180–000		1	HEATER, 100V 820W ハロゲン ヒータ	100V
	FH7–4181–000		1	HEATER, 115V 820W ハロゲン ヒータ	115V
	FH7–4182–000		1	HEATER, 220V 1200W ハロゲン ヒータ	220V
	FH7–4183–000		1	HEATER, 240V 1200W ハロゲン ヒータ	240V
	FH7–4216–000		1	HEATER 127V, 820W ハロゲン ヒータ	127V
97	FF1–6337–000		1	CROSSMEMBER, LEFT ヒダリ ステー	100V
	FF1–6338–000		1	CROSSMEMBER, LEFT ヒダリ ステー	115/220/240V
98	FH2–5158–000		1	CONNECTOR, 8P コネクタ	
99	FF1–6341–040	N	1	MOUNT, CLEANING FELT クリーニング フエルト	
99A	FA4–0624–000		1	FELT, CLEANING クリーニング フエルト	
100	FS2–8223–000		1	LABEL ラベル	
101	FA4–0626–000	N	1	GUIDE, PAPER カミ ガイド	
102	FH7–4184–000		1	HEATER, 100V 350W ハロゲン ヒータ	100V
	FH7–4185–000		1	HEATER, 115V 350W ハロゲン ヒータ	115V
	FH7–4217–000		1	HEATER, 127V 350W ハロゲン ヒータ	127V
103	FA4–0627–000		1	BUSHING ブッシング	
104	FA3–8894–000		2	RING, RETAINING トメワ	
105	FA4–0629–000		1	CLAMP, CABLE ケーブル オサエ	
106	FF9–0698–000		1	CABLE, FIXING ASS'Y (NEW) テイチャクキ ソクセン	220/240V
	FF9–0826–000		1	CABLE, FIXING ASS'Y (NEW) テイチャクキ ソクセン	100/115/127V

FIGURE 915 CONTROL PANEL ASSENBLY
操作部



4
1
2
3
G51
220/240V



FGI-5183
シルク面
半田
C701
C702
C703
C704
C705
C706
C707
C708
J703
J701
Q701
Q702 HC14
Q703 TD62504
Q704 TD62504
Q705 μPA80C
Q707 μPA80C
Q706 HC154
Q708 HC374
Q709 HC32
Q710 HC374
Q712 HC373
Q711 CP2001D
CP2001D Q714
CP2001D Q716
Q717 CP2001D
Q713 27256
Q715 87A0
Q718 TD62304
Q720 TD62304
Q721 TD62304
Q719 HC154
RA703
RA704
RA705
RA706
RA707
RA708
RA709
RA710
RA711
RA712
RA713
RA714
RA715
X701
D702
D703
C722
C724
C725
MADE IN JAPAN

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
915 –	FG1–5199–020		1	CONTROL PANEL ASSEMBLY,NP–5540 ソウサブ	A 100V
	FG1–5200–020		1	CONTROL PANEL ASSEMBLY,NP–4540 ソウサブ	C 115V
	FG1–5201–020		1	CONTROL PANEL ASSEMBLY,NP–4540 ソウサブ	D 220V
	FG1–5202–020		1	CONTROL PANEL ASSEMBLY,NP–4540 ソウサブ	G 220V
	FG1–5203–020		1	CONTROL PANEL ASSEMBLY,NP–4540 ソウサブ	H 220V
	FG1–5206–000		1	CONTROL PANEL ASSEMBLY,NP–5040 ソウサブ	A 100V
	FG1–5207–000		1	CONTROL PANEL ASSEMBLY,NP–4040 ソウサブ	C 115V
	FG1–5208–000		1	CONTROL PANEL ASSEMBLY,NP–4040 ソウサブ	D 220V
	FG1–5209–000		1	CONTROL PANEL ASSEMBLY,NP–4040 ソウサブ	G 220V
	FG1–5210–000		1	CONTROL PANEL ASSEMBLY,NP–4040 ソウサブ	H 220V
	FG1–5211–020		1	CONTROL PANEL ASSEMBLY,NP–4540 ソウサブ	E 240V
	FG1–5212–000		1	CONTROL PANEL ASSEMBLY,NP–4040 ソウサブ	E 240V
	FG1–5220–000		1	CONTROL PANEL ASSEMBLY,NP–4035 ソウサブ	C 115V
	FG1–5221–000		1	CONTROL PANEL ASSEMBLY,NP–4035 ソウサブ	D 220V
	FG1–5222–000		1	CONTROL PANEL ASSEMBLY,NP–4035 ソウサブ	G 220V
	FG1–5223–000		1	CONTROL PANEL ASSEMBLY,NP–4035 ソウサブ	H 220V
	FG1–5224–000		1	CONTROL PANEL ASSEMBLY,NP–4035 ソウサブ	E 240V
	FG1–5225–020		1	CONTROL PANEL ASSEMBLY,NP–4540 ソウサブ	F 240V
	FG1–5226–000		1	CONTROL PANEL ASSEMBLY,NP–4040 ソウサブ	F 240V
1	FH6–0076–030		1	KEYBOARD, NP–5540 キーボード	A 100V
	FH6–0077–030		1	KEYBOARD, NP–4540 キーボード	C 115V
	FH6–0078–030		1	KEYBOARD, NP–4540 キーボード	D,F 220/240V
	FH6–0079–040		1	KEYBOARD, NP–4540 キーボード	G 220V
	FH6–0080–030		1	KEYBOARD, NP–4540 キーボード	H 220V
	FH6–0081–030		1	KEYBOARD, NP–5040 キーボード	A 100V
	FH6–0082–030		1	KEYBOARD, NP–4040 キーボード	C 115V
	FH6–0083–030		1	KEYBOARD, NP–4040 キーボード	D,F 220/240V
	FH6–0084–030		1	KEYBOARD, NP–4040 キーボード	G 220V
	FH6–0085–030		1	KEYBOARD, NP–4040 キーボード	H 220V
	FH6–0096–030		1	KEYBOARD, NP–4540 キーボード	E 240V
	FH6–0097–030		1	KEYBOARD, NP–4040 キーボード	E 240V
	FH6–0117–030		1	KEYBOARD, NP–4035 キーボード	C 115V
	FH6–0118–020		1	KEYBOARD, NP–4035 キーボード	D 220V
	FH6–0119–020		1	KEYBOARD, NP–4035 キーボード	G 220V
	FH6–0120–000		1	KEYBOARD, NP–4035 キーボード	H 220V

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
915 — 1	FH6-0121-020		1	KEYBOARD, NP-4035 キーボード	E 240V
2	FG9-1836-060		1	DISPLAY CONT, PCB (JPN/ENG) ソウサ ブ コントロール	A,F
	FG9-1837-060		1	DISPLAY CONT, PCB (ENG/FRN) ソウサ ブ コントロール	C,D,E
	FG9-1838-060		1	DISPLAY CONT, PCB (ENG/GER) ソウサ ブ コントロール	H
	FG9-1839-060		1	DISPLAY CONT, PCB (FRN/ENG) ソウサ ブ コントロール	G
3	FA5-0009-020		1	PLATE, SHIELD シールド バン	220/240V
4	FA9-1652-000		1	COVER, SWITCH スイッチ カバー	
C701	VC5-6370-226		1	CAPACITOR, 22UF, 100V コンデンサ	
C702	VC1-2101-107		1	CAPACITOR, 100UF, 10V コンデンサ	
C703	VC3-2501-103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C704	VC5-6370-106		1	CAPACITOR, 10UF, 100V コンデンサ	
C705	VC1-2101-107		1	CAPACITOR, 100UF, 10V コンデンサ	
C706	VC3-2501-103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C707	VC3-2501-104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C708	VC1-2161-106		1	CAPACITOR, 10UF, 16V コンデンサ	
C709	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C710	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C711	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C712	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C713	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C714	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C715	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C716	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C717	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C718	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C719	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C720	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C721	VC4-1501-100		1	CAPACITOR, 10PF, 50V コンデンサ	
C722	VC4-1501-100		1	CAPACITOR, 10PF, 50V コンデンサ	
C723	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C724	VC1-2251-107		1	CAPACITOR, 100UF, 25V コンデンサ	
C725	VC3-2501-103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
CP701	WS3-0420-000		1	PIN ASSEMBLY, 3P ピン アセンブリ	
D701	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D702	X65-5032-000		1	DIODE, 1S1588 ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
915 -D703	X65-5032-000		1	DIODE, 1S1588 ダイオード	
FIP701	WG2-0177-000		1	INDICATOR TUBE, FLUORESCENT ケイコウ ヒヨウジ カン FIP 40A5X	
FIP702	FH6-3043-000		1	INDICATOR TUBE, FLUORESCENT ケイコウ ヒヨウジ カン FIP 3A11	
J701	VS1-0437-012		1	CONNECTOR, 12P コネクタ	
J702	VS1-0594-020		1	CONNECTOR, 20P コネクタ	
J703	VS1-0025-012		1	CONNECTOR, 12P コネクタ	
Q701	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q702	WA3-1982-000		1	IC, 2SD1098L IC	
Q703	WA2-0095-000		1	TRANSISTOR, TD62504P トランジスタ	
Q704	WA2-0095-000		1	TRANSISTOR, TD62504P トランジスタ	
Q705	WA2-0387-000		1	TRANSISTOR, UPA80C トランジスタ	
Q706	WA3-2101-000		1	TRANSISTOR, TC74HC374P トランジスタ	
Q707	WA2-0387-000		1	TRANSISTOR, UPA80C トランジスタ	
Q708	WA3-2049-000		1	TRANSISTOR, TC74HC154P トランジスタ	
Q709	WA3-1984-000		1	TRANSISTOR, TC74HC32P トランジスタ	
Q710	WA3-2101-000		1	TRANSISTOR, TC74HC374P トランジスタ	
Q711	WA6-0029-000		1	IC, CP2001D IC	
Q712	WA3-2100-000		1	IC, TC74HC373P IC	
Q713	FF1-7112-020		1	IC, MBM-27C (JPN/ENG) IC	A, F
	FF1-7113-020		1	IC, MBM-27C (ENG/FR) IC	C, D, E
	FF1-7114-050		1	IC, MBM-27C (ENG/GER) IC	H
	FF1-7115-020		1	IC, MBM-27C (FR/ENG) IC	G
	WA9-0106-000		1	SOCKET, IC IC ソケット	
Q714	WA6-0029-000		1	IC, CP2001D IC	
Q715	WA3-1146-000		1	IC, UPD7810G IC	
Q716	WA6-0029-000		1	IC, CP2001D IC	
Q717	WA6-0029-000		1	IC, CP2001D IC	
Q718	WA2-0307-000		1	TRANSISTOR, TD62304P トランジスタ	
Q719	WA3-2049-000		1	TRANSISTOR, TC74HC154P トランジスタ	
Q720	WA2-0307-000		1	TRANSISTOR, TD62304P トランジスタ	
Q721	WA2-0307-000		1	TRANSISTOR, TD62304P トランジスタ	
Q722	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q723	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q724	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q725	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
915 -Q726	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q727	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q728	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q729	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q730	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q731	WA2-0836-000		1	TRANSISTOR, 2SB1067 トランジスタ	
R701	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R702	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R703	VR1-1141-272		1	RESISTOR, 2.7KOHM, 1/4W テイコウ	
R704	VR1-1141-101		1	RESISTOR, 100OHM, 1/4W テイコウ	
R705	VR1-1141-473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R706	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R707	VR1-1141-562		1	RESISTOR, 5.6KOHM, 1/4W テイコウ	
R708	VR1-1141-201		1	RESISTOR, 200OHM, 1/4W テイコウ	
R709	VR1-1141-223		1	RESISTOR, 22KOHM, 1/4W テイコウ	
R710	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R719	VR1-1141-104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R720	VR1-1141-104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R721	VR1-1141-104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R722	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R723	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R724	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R725	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R726	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R727	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R728	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R729	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R730	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R731	VR1-1141-103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R732	VR1-1141-104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R733	VR1-1141-104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R734	VR1-1141-104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
RA701	VR5-1980-102		1	RESISTOR, ARRAY テイコウ アレイ	
RA702	VR5-1930-102		1	RESISTOR, ARRAY テイコウ アレイ	
RA703	VR5-1930-103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
915 -RA704	VR5-1930-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA705	VR5-1980-104		1	RESISTOR ARRAY, 100KOHM テイコウ アレイ	
RA706	VR5-1930-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA707	VR5-1980-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA708	VR5-1930-103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA709	VR5-1930-103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA710	VR5-1930-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA711	VR5-1930-104		1	RESISTOR ARRAY, 100KOHM テイコウ アレイ	
RA712	VR5-1980-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA713	VR5-1980-103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA714	VR5-1980-104		1	RESISTOR ARRAY, 100KOHM テイコウ アレイ	
X701	WK2-0083-000		1	CRYSTAL, QUARTZ スイショウ シンドウシ	

FIGURE 930 DC CONTROLLER PCB ASSEMBLY (NP4540/4040)

DCコントローラ回路基板 (NP-5540/5040)

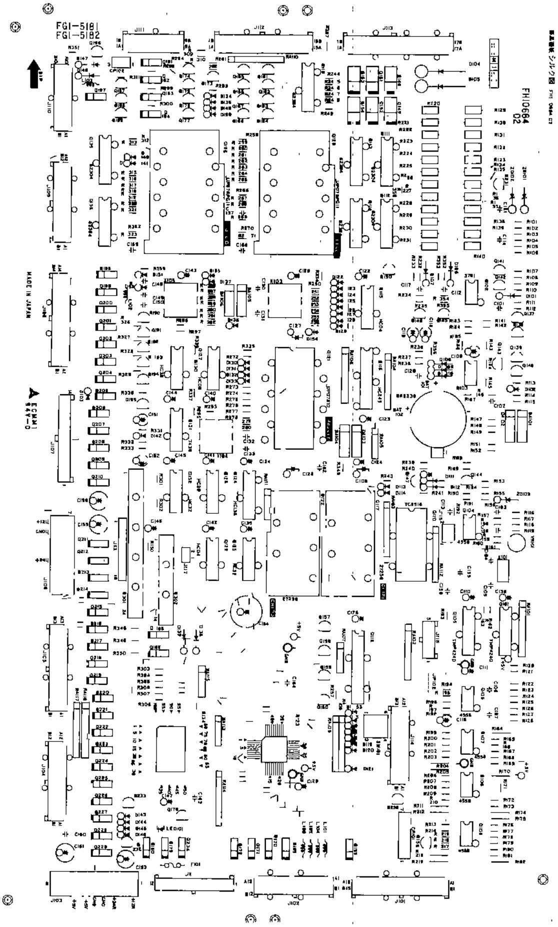

FGI-5181
FGI-5182
MADE IN JAPAN
FH10664
D2
J101
J102
J103
J110
J111
J112
J113

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –	FG1–5181–110		1	DC CONTROLLER PCB ASSEMBLY DC コントローラ カイロ キバン	NP–4540/4040 NP–5540/5040
BAT101	WK1–0057–000		1	BATTERY, BR2330 1HM リチウム デンチ	
BAT102	WK1–0058–000		1	BATTERY, BR2330 1HF リチウム デンチ	
C101	VC5–1810–473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C102	VC5–2860–475		1	CAPACITOR, 4.7UF, 35V コンデンサ	
C103	VC5–6360–474		1	CAPACITOR, 0.47UF, 50V コンデンサ	
C104	VC4–2502–330		1	CAPACITOR, 33PF, 50V コンデンサ	
C105	VC4–2502–330		1	CAPACITOR, 33PF, 50V コンデンサ	
C106	VC5–3740–104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C107	VC5–3740–104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C108	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C109	VC5–2860–475		1	CAPACITOR, 4.7UF, 35V コンデンサ	
C110	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C111	VC5–1490–476		1	CAPACITOR, 47UF, 10V コンデンサ	
C112	VC5–1810–104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C113	VC5–1810–104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C114	VC4–2502–330		1	CAPACITOR, 33PF, 50V コンデンサ	
C116	VC5–2860–475		1	CAPACITOR, 4.7UF, 35V コンデンサ	
C117	VC5–1810–104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C118	VC5–1120–106		1	CAPACITOR, 10UF, 16V コンデンサ	
C119	VC5–1120–106		1	CAPACITOR, 10UF, 16V コンデンサ	
C120	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C121	VC5–1810–104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C122	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C123	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C124	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C125	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C126	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C127	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C128	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C129	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C130	VC4–1501–100		1	CAPACITOR, 10PF, 50V コンデンサ	
C131	VC4–1501–100		1	CAPACITOR, 10PF, 50V コンデンサ	
C132	VC4–1501–100		1	CAPACITOR, 10PF, 50V コンデンサ	
C133	VC4–1501–100		1	CAPACITOR, 10PF, 50V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –C134	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C135	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C136	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C137	VC4–3503–151		1	CAPACITOR, 150PF 50V コンデンサ	
C138	VC4–3503–101		1	CAPACITOR, 100PF, 50V コンデンサ	
C139	VC5–4630–476		1	CAPACITOR, 47UF, 16V コンデンサ	
C140	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C141	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C142	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C143	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C144	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C145	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C146	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C147	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C148	VC5–1810–473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C149	VC4–1501–100		1	CAPACITOR, 10PF, 50V コンデンサ	
C150	VC4–1501–100		1	CAPACITOR, 10PF, 50V コンデンサ	
C151	VC5–2860–475		1	CAPACITOR, 4.7UF, 35V コンデンサ	
C152	VC5–6360–105		1	CAPACITOR, 1UF, 50V コンデンサ	
C153	VC5–2860–107		1	CAPACITOR, 100UF, 35V コンデンサ	
C154	VC5–8520–477		1	CAPACITOR, 470UF 10V コンデンサ	
C155	VC4–3503–332		1	CAPACITOR, 3300PF 50V コンデンサ	
C156	VC4–3503–332		1	CAPACITOR, 3300PF 50V コンデンサ	
C158	VC5–2440–107		1	CAPACITOR, 100UF, 25V コンデンサ	
C159	VC5–6360–107		1	CAPACITOR, 100UF, 50V コンデンサ	
C160	VC5–1810–104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C161	VC5–1120–107		1	CAPACITOR, 100UF, 16V コンデンサ	
C162	VC4–3503–332		1	CAPACITOR, 3300PF 50V コンデンサ	
C163	VC4–3503–332		1	CAPACITOR, 3300PF 50V コンデンサ	
C164	VC4–3503–332		1	CAPACITOR, 3300PF 50V コンデンサ	
C165	VC4–3503–332		1	CAPACITOR, 3300PF 50V コンデンサ	
C166	VC4–3503–332		1	CAPACITOR, 3300PF 50V コンデンサ	
C201	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C202	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C203	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –C204	VC5–1920–222		1	CAPACITOR, 2200PF, 50V コンデンサ	
C205	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C206	VC5–1920–222		1	CAPACITOR, 2200PF, 50V コンデンサ	
C208	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C209	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C211	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C212	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C213	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C215	VC5–1920–103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C216	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C217	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C218	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C219	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C220	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C221	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C222	VC5–1920–223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C225	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C226	VC5–1920–472		1	CAPACITOR, 4700PF, 50V コンデンサ	
C227	VC5–1920–223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C228	VC5–1920–222		1	CAPACITOR, 2200PF, 50V コンデンサ	
C229	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C230	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C231	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C232	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C233	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C234	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C235	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C236	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C238	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C239	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C244	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C245	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C246	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C247	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	
C248	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 -C249	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C250	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C251	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C252	VC5-1920-223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C253	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C254	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C255	VC5-1920-223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C256	VC5-1920-223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C257	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
C259	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
C260	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
C262	VC5-1920-223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C263	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
C264	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
CP101	VS3-0034-007		1	CONNECTOR, 7P コネクタ	
CP102	WS3-0420-000		1	PIN ASSEMBLY, 3P ピンアセンブリ	
D101	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D102	WA1-0625-000		1	DIODE, MA166 ダイオード	
D104	WA1-0516-000		1	DIODE, 3BZ61 ダイオード	
D105	WA1-0516-000		1	DIODE, 3BZ61 ダイオード	
D106	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D107	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D108	X65-5435-000		1	DIODE, 1S2076A ダイオード	
D109	X65-5435-000		1	DIODE, 1S2076A ダイオード	
D110	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D111	X65-5153-000		1	DIODE, 1S1585 ダイオード	
D112	X65-5153-000		1	DIODE, 1S1585 ダイオード	
D113	WA1-0625-000		1	DIODE, MA166 ダイオード	
D114	WA1-0625-000		1	DIODE, MA166 ダイオード	
D115	WA1-0625-000		1	DIODE, MA166 ダイオード	
D116	WA1-0625-000		1	DIODE, MA166 ダイオード	
D117	WA1-0625-000		1	DIODE, MA166 ダイオード	
D118	WA1-0625-000		1	DIODE, MA166 ダイオード	
D119	WA1-0625-000		1	DIODE, MA166 ダイオード	
D120	WA1-0625-000		1	DIODE, MA166 ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –D121	WA1–0625–000		1	DIODE, MA166 ダイオード	
D122	WA1–0625–000		1	DIODE, MA166 ダイオード	
D123	WA1–0625–000		1	DIODE, MA166 ダイオード	
D124	WA1–0625–000		1	DIODE, MA166 ダイオード	
D125	WA1–0625–000		1	DIODE, MA166 ダイオード	
D126	WA1–0625–000		1	DIODE, MA166 ダイオード	
D127	WA1–0625–000		1	DIODE, MA166 ダイオード	
D128	WA1–0625–000		1	DIODE, MA166 ダイオード	
D129	WA1–0625–000		1	DIODE, MA166 ダイオード	
D130	WA1–0625–000		1	DIODE, MA166 ダイオード	
D131	WA1–0625–000		1	DIODE, MA166 ダイオード	
D132	WA1–0625–000		1	DIODE, MA166 ダイオード	
D133	WA1–0625–000		1	DIODE, MA166 ダイオード	
D134	WA1–0625–000		1	DIODE, MA166 ダイオード	
D135	WA1–0625–000		1	DIODE, MA166 ダイオード	
D136	WA1–0625–000		1	DIODE, MA166 ダイオード	
D137	WA1–0625–000		1	DIODE, MA166 ダイオード	
D138	X65–5054–000		1	DIODE, 55566B ダイオード	
D139	X65–5054–000		1	DIODE, 55566B ダイオード	
D140	WA1–0625–000		1	DIODE, MA166 ダイオード	
D141	WA1–0625–000		1	DIODE, MA166 ダイオード	
D142	WA1–0625–000		1	DIODE, MA166 ダイオード	
D143	WA1–0625–000		1	DIODE, MA166 ダイオード	
D144	WA1–0625–000		1	DIODE, MA166 ダイオード	
D145	WA1–0625–000		1	DIODE, MA166 ダイオード	
D146	WA1–0625–000		1	DIODE, MA166 ダイオード	
D147	X65–5054–000		1	DIODE, 55566B ダイオード	
D148	X65–5054–000		1	DIODE, 55566B ダイオード	
D149	WA1–0625–000		1	DIODE, MA166 ダイオード	
D150	WA1–0625–000		1	DIODE, MA166 ダイオード	
D151	WA1–0625–000		1	DIODE, MA166 ダイオード	
D152	WA1–0625–000		1	DIODE, MA166 ダイオード	
D153	WA1–0625–000		1	DIODE, MA166 ダイオード	
D154	WA1–0625–000		1	DIODE, MA166 ダイオード	
D155	WA1–0625–000		1	DIODE, MA166 ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –D201	WA1–0426–000		1	DIODE, MA151WK 40V 0.1A ダイオード	
D202	WA1–0426–000		1	DIODE, MA151WK 40V 0.1A ダイオード	
D203	WA1–0426–000		1	DIODE, MA151WK 40V 0.1A ダイオード	
DA101	FH4–9051–000		1	DIODE ARRAY, EXH–S6P02P37 ダイオード アレイ	
DA102	FH4–9050–000		1	DIODE ARRAY, EXH–S6P02N38 ダイオード アレイ	
DA103	FH4–9050–000		1	DIODE ARRAY, EXH–S6P02N38 ダイオード アレイ	
DA104	FH4–9051–000		1	DIODE ARRAY, EXH–S6P02P37 ダイオード アレイ	
DA105	FH4–9051–000		1	DIODE ARRAY, EXH–S6P02P37 ダイオード アレイ	
DA106	FH4–9050–000		1	DIODE ARRAY, EXH–S6P02N38 ダイオード アレイ	
F101	WD1–0190–000		1	FUSE, SSFRIA ヒューズ	
FC101	WE2–0253–000		1	CAPACITOR, 100PF コンデンサ	
FC102	WE2–0253–000		1	CAPACITOR, 100PF コンデンサ	
FC103	WE2–0253–000		1	CAPACITOR, 100PF コンデンサ	
FC104	WE2–0253–000		1	CAPACITOR, 100PF コンデンサ	
FC105	WE2–0253–000		1	CAPACITOR, 100PF コンデンサ	
J101	VS1–0379–030		1	CONNECTOR, 30P コネクタ	
J102	VS1–0379–024		1	CONNECTOR, 24P コネクタ	
J103	VS1–0025–008		1	PIN ASSEMBLY, 8P ピン アセンブリ	
J104	VS1–0379–024		1	CONNECTOR, 24P コネクタ	
J105	VS1–0379–026		1	CONNECTOR, 26P コネクタ	
J106	VS1–0025–007		1	CONNECTOR, 7P コネクタ	
J107	VS1–0437–014		1	CONNECTOR, 14P コネクタ	
J108	VS1–0379–028		1	CONNECTOR, 28P コネクタ	
J109	VS1–0379–024		1	CONNECTOR, 24P コネクタ	
J110	VS1–0379–020		1	CONNECTOR, 20P コネクタ	
J111	VS1–0379–018		1	CONNECTOR, 18P コネクタ	
J112	VS1–0379–030		1	CONNECTOR, 30P コネクタ	
J113	VS1–0379–034		1	CONNECTOR, 34P コネクタ	
J114	VS1–0379–024		1	CONNECTOR, 24P コネクタ	
J115	WS3–0580–000		1	PIN ASSEMBLY, 2P ピン アセンブリ	
J116	VS1–0437–005		1	CONNECTOR, 5P コネクタ	
J117	WS3–0580–000		1	PIN ASSEMBLY, 2P ピン アセンブリ	
JP102	VR9–2324–000		1	CONNECTOR, SHORT ショート ジャンパー	
JX	VS1–0437–012		1	CONNECTOR, 12P コネクタ	
JXX	VS1–0437–010		1	CONNECTOR, 10P コネクタ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 -L101	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L102	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L103	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L104	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L105	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L106	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
LED101	WG1-0305-000		1	LED, TLR116A LED	
Q101	FH4-0098-000		1	IC, TMP4240P-1301 IC	
Q102	WA4-0194-000		1	IC, MB3761M IC	
Q103	WA4-0150-000		1	IC, AN6914 IC	
Q104	WA4-0225-000		1	IC, NJM4558D IC	
Q105	FH4-0098-000		1	IC, TMP4240P-1301 IC	
Q106	WA4-0225-000		1	IC, NJM4558D IC	
Q107	WA4-0225-000		1	IC, NJM4558D IC	
Q108	WA4-0225-000		1	IC, NJM4558D IC	
Q109	WA4-0225-000		1	IC, NJM4558D IC	
Q110	WA3-1147-000		1	IC IC	
	WA3-3923-000		1	IC, TC5518 CPL 20 (NEW) IC	
Q111	WA4-0587-000		1	TRANSISTOR ARRAY, TD62304AP トランジ スタ アレイ	
Q112	WA4-0587-000		1	TRANSISTOR ARRAY, TD62304AP トランジ スタ アレイ	
Q113	WA4-0587-000		1	TRANSISTOR ARRAY, TD62304AP トランジ スタ アレイ	
Q114	WA4-0587-000		1	TRANSISTOR ARRAY, TD62304AP トランジ スタ アレイ	
Q115	WA3-1888-000		1	IC, 04P IC	
Q116	WA3-1986-000		1	IC, 246P IC	
Q117	FF1-7111-080		1	IC, MBM27C, 256-25 IC	
Q118	WA3-2049-000		1	TRANSISTOR, TC74HC154P トランジ スタ	
Q119	WA2-0307-000		1	TRANSISTOR, TD62304P トランジ スタ	
Q120	FH4-0104-000		1	IC, UPD7811G-354 IC	
Q121	WA3-1146-000		1	IC, UPD7810G IC	
Q122	FF1-7110-080		1	IC, MBM27C, 256-25 IC	
Q123	WA3-1988-000		1	IC, TMP82C, 55AF-5 IC	
Q124	WA3-1985-000		1	IC, 138P IC	
Q125	WA3-1984-000		1	TRANSISTOR, TC74HC32P トランジ スタ	
Q126	FH4-0103-000		1	IC, UPD7811G-367 IC	
Q127	WA3-1983-000		1	IC, 08P IC	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –Q128	WA3–1987–000		1	IC, 20P IC	
Q129	WA3–1888–000		1	IC, 04P IC	
Q130	X65–7301–000		1	IC, SN7438 IC	
Q131	X65–7301–000		1	IC, SN7438 IC	
Q132	WA3–1984–000		1	TRANSISTOR, TC74HC32P トランジスタ	
Q134	FH4–5076–020		1	IC, T7891 IC	
Q135	WA2–0307–000		1	TRANSISTOR, TD62304P トランジスタ	
Q136	WA2–0307–000		1	TRANSISTOR, TD62304P トランジスタ	
Q137	WA2–0796–000		1	TRANSISTOR, RN1201 トランジスタ	
Q138	WA2–0772–000		1	TRANSISTOR, RN1202 トランジスタ	
Q139	WA2–0772–000		1	TRANSISTOR, RN1202 トランジスタ	
Q140	WA2–0775–000		1	TRANSISTOR, RN2202 トランジスタ	
Q141	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q142	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q143	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q144	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q145	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q146	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q147	WA2–0317–000		1	TRANSISTOR, 2SA950Y トランジスタ	
Q148	WA2–0863–000		1	TRANSISTOR, B1098–L トランジスタ	
Q149	WA2–0863–000		1	TRANSISTOR, B1098–L トランジスタ	
Q150	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q151	WA2–0863–000		1	TRANSISTOR, B1098–L トランジスタ	
Q152	WA2–0863–000		1	TRANSISTOR, B1098–L トランジスタ	
Q153	WA2–0863–000		1	TRANSISTOR, B1098–L トランジスタ	
Q154	WA2–0863–000		1	TRANSISTOR, B1098–L トランジスタ	
Q155	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q156	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q157	WA2–0775–000		1	TRANSISTOR, RN2202 トランジスタ	
Q158	WA2–0775–000		1	TRANSISTOR, RN2202 トランジスタ	
Q159	WA2–0775–000		1	TRANSISTOR, RN2202 トランジスタ	
Q160	WA2–0775–000		1	TRANSISTOR, RN2202 トランジスタ	
Q161	WA2–0775–000		1	TRANSISTOR, RN2202 トランジスタ	
Q162	WA2–0775–000		1	TRANSISTOR, RN2202 トランジスタ	
Q163	WA2–0775–000		1	TRANSISTOR, RN2202 トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –Q164	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q165	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q166	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q167	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q168	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q169	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q170	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q171	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q172	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q173	WA2–0772–000		1	TRANSISTOR, RN1202 トランジ スタ	
Q174	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q175	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q176	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q177	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q178	WA2–0135–000		1	TRANSISTOR, 2SA1015Y トランジ スタ	
Q179	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q180	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q181	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q182	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q183	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q184	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q185	WA2–0354–000		1	TRANSISTOR, 2SB1067 トランジ スタ	
Q186	WA2–0354–000		1	TRANSISTOR, 2SB1067 トランジ スタ	
Q187	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q188	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q189	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q190	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q191	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q192	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q193	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q194	WA2–0772–000		1	TRANSISTOR, RN1202 トランジ スタ	
Q195	WA2–0774–000		1	TRANSISTOR, RN1204 トランジ スタ	
Q196	WA2–0135–000		1	TRANSISTOR, 2SA1015Y トランジ スタ	
Q197	WA2–0354–000		1	TRANSISTOR, 2SB1067 トランジ スタ	
Q198	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –Q199	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q200	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q201	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q202	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q203	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q204	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q205	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q206	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q207	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q208	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q209	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q210	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q211	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q212	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q213	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q214	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q215	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q216	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q217	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q218	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q219	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q220	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q221	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q222	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q223	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q224	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q225	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q226	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q227	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q228	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q229	WA2–0808–000		1	TRANSISTOR, 2SD1658 トランジ スタ	
Q230	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	
Q231	WA2–0772–000		1	TRANSISTOR, RN1202 トランジ スタ	
Q232	WA2–0772–000		1	TRANSISTOR, RN1202 トランジ スタ	
Q233	WA2–0775–000		1	TRANSISTOR, RN2202 トランジ スタ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 -Q234	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q251	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q252	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q253	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q254	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q255	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q256	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q257	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q258	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q259	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q260	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q261	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q262	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q263	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q264	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q265	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q266	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q267	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q268	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q269	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q270	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q271	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q272	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q273	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q274	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q275	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q276	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q277	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q278	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q279	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q280	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q281	WA2-0834-000		1	TRANSISTOR, RN1402 トランジスタ	
Q282	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q283	WA2-0835-000		1	TRANSISTOR, RN2402 トランジスタ	
Q284	WA2-0833-000		1	TRANSISTOR, RN1401 トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –Q285	WA2–0834–000		1	TRANSISTOR, RN1402 トランジスタ	
Q286	WA2–0835–000		1	TRANSISTOR, RN2402 トランジスタ	
Q287	WA2–0835–000		1	TRANSISTOR, RN2402 トランジスタ	
Q288	WA2–0835–000		1	TRANSISTOR, RN2402 トランジスタ	
Q289	WA2–0833–000		1	TRANSISTOR, RN1401 トランジスタ	
Q290	WA2–0833–000		1	TRANSISTOR, RN1401 トランジスタ	
Q291	WA2–0833–000		1	TRANSISTOR, RN1401 トランジスタ	
Q292	WA2–0835–000		1	TRANSISTOR, RN2402 トランジスタ	
Q293	WA2–0834–000		1	TRANSISTOR, RN1402 トランジスタ	
Q294	WA2–0834–000		1	TRANSISTOR, RN1402 トランジスタ	
Q301	FH4–5097–000		1	IC, EHFS4564R86K IC	
Q302	FH4–5098–000		1	IC, EHFS2727V18S IC	
R101	VR5–2290–682		1	RESISTOR, 6.8KOHM, 1/5W テイコウ	
R102	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R103	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R104	VR5–2290–682		1	RESISTOR, 6.8KOHM, 1/5W テイコウ	
R105	VR5–2311–001		1	RESISTOR, 1.00KD, 1/8W テイコウ	
R106	VR5–2312–741		1	RESISTOR, 2.74KD, 1/8W テイコウ	
R107	VR5–2290–124		1	RESISTOR, 120KOHM, 1/5W テイコウ	
R108	VR5–2290–224		1	RESISTOR, 220KOHM, 1/5W テイコウ	
R109	VR5–2290–105		1	RESISTOR, 1M OHM, 1/5W テイコウ	
R110	VR5–2290–105		1	RESISTOR, 1M OHM, 1/5W テイコウ	
R111	VR5–2290–104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R112	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R113	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R114	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R115	VR5–2306–651		1	RESISTOR, 6.65KF, 1/8W テイコウ	
R116	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R117	VR5–2313–472		1	RESISTOR, 34.7KD, 1/8W テイコウ	
R118	VR5–2316–982		1	RESISTOR, 69.8KD, 1/8W テイコウ	
R119	VR5–2290–102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R120	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R121	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R122	VR5–2302–802		1	RESISTOR, 28.0KF, 1/8W テイコウ	
R123	VR5–2301–132		1	RESISTOR, 11.3KOHM 1/8W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –R124	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R125	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R126	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R127	VR5–2301–372		1	RESISTOR, 13.7KF, 1/8W テイコウ	
R128	VR5–2301–072		1	RESISTOR, 10.7KF, 1/8W テイコウ	
R129	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R130	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R131	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R132	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R133	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R134	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R135	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R136	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R137	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R138	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R139	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R140	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R141	VR5–2308–251		1	RESISTOR, 8.25KF, 1/8W テイコウ	
R142	VR5–2302–321		1	RESISTOR, 2.32KF, 1/8W テイコウ	
R143	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R144	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R145	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R146	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R147	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R148	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R149	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R150	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R151	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R152	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R153	VR5–2309–312		1	RESISTOR, 93.1KF, 1/8W テイコウ	
R154	VR5–2301–003		1	RESISTOR, 1000KOHM 1/8W テイコウ	
R155	VR5–2301–002		1	RESISTOR, 10.0KF, 1/8W テイコウ	
R156	VR5–2307–152		1	RESISTOR, 71.5KF, 1/8W テイコウ	
R157	VR5–2311–622		1	RESISTOR, 16.2KD, 1/8W テイコウ	
R158	VR5–2311–543		1	RESISTOR, 154KD, 1/8W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 -R159	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R160	VR5-2301-003		1	RESISTOR, 1000KOHM 1/8W テイコウ	
R161	VR5-0045-363		1	RESISTOR, 536KF, 1/4W テイコウ	
R162	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R163	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R164	VR5-0041-004		1	RESISTOR, 1000KOHM 1% 1/4W テイコウ	
R165	VR5-2290-101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R166	VR5-2303-163		1	RESISTOR, 316KF, 1/8W テイコウ	
R167	VR5-2290-224		1	RESISTOR, 220KOHM, 1/5W テイコウ	
R168	VR5-2303-163		1	RESISTOR, 316KF, 1/8W テイコウ	
R169	VR5-2290-203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R170	VR5-0041-004		1	RESISTOR, 1000KOHM 1% 1/4W テイコウ	
R171	VR5-2290-101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R172	VR5-2290-224		1	RESISTOR, 220KOHM, 1/5W テイコウ	
R173	VR5-2290-203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R174	VR5-0044-993		1	RESISTOR, 499KF, 1/4W テイコウ	
R175	VR5-0041-004		1	RESISTOR, 1000KOHM 1% 1/4W テイコウ	
R176	VR5-2290-101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R177	VR5-2290-104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R178	VR5-2290-473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R179	VR5-2290-473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R180	VR5-2302-003		1	RESISTOR, 200KF, 1/8W テイコウ	
R181	VR5-2290-203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R182	VR5-0041-004		1	RESISTOR, 1000KOHM 1% 1/4W テイコウ	
R183	VR5-2290-473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R184	VR5-2290-332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R185	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R186	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R187	VR5-2290-105		1	RESISTOR, 1M OHM, 1/5W テイコウ	
R188	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R189	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R190	VR5-2290-101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R191	VR5-2290-473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R192	VR5-2290-104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R193	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –R194	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R195	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R196	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R197	VR5–2316–800		1	RESISTOR, 680 OHMD, 1/8W テイコウ	
R198	VR5–2313–161		1	RESISTOR, 3.16KD, 1/8W テイコウ	
R199	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R200	VR5–2290–104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R201	VR5–2290–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R202	VR5–2290–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R203	VR5–2290–203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R204	VR5–0044–993		1	RESISTOR, 499KF, 1/4W テイコウ	
R205	VR5–0041–004		1	RESISTOR, 1000KOHM 1% 1/4W テイコウ	
R206	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R207	VR5–2290–104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R208	VR5–2290–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R209	VR5–2290–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R210	VR5–2290–203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R211	VR5–0044–993		1	RESISTOR, 499KF, 1/4W テイコウ	
R212	VR5–0041–004		1	RESISTOR, 1000KOHM 1% 1/4W テイコウ	
R213	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R214	VR5–2290–104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R215	VR5–2290–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R216	VR5–2290–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R217	VR5–2290–203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R218	VR5–0044–993		1	RESISTOR, 499KF, 1/4W テイコウ	
R219	VR5–0041–004		1	RESISTOR, 1000KOHM 1% 1/4W テイコウ	
R220	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R221	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R222	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R223	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R224	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R225	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R226	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R227	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R228	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 -R229	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R230	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R231	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R232	VR5-2290-562		1	RESISTOR, 5.6KOHM, 1/5W テイコウ	
R233	VR5-2290-272		1	RESISTOR, 2.7KOHM, 1/4W テイコウ	
R234	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R235	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R236	VR5-2290-101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R237	VR5-2290-101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R238	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R239	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R240	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R241	VR5-2290-332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R243	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R244	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R245	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R246	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R247	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R248	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R249	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R250	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R251	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R252	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R253	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R254	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R255	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R256	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R257	VR5-2290-104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R258	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R259	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R260	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R261	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R262	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R263	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R264	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –R265	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R266	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R267	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R268	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R269	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R270	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R271	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R272	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R273	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R274	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R275	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R276	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R277	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R278	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R279	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R280	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R281	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R282	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R283	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R286	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R287	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R288	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R289	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R290	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R291	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R292	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R293	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R294	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R295	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R296	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R297	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R298	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R299	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R300	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R301	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –R302	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R303	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R304	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R305	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R306	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R307	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R308	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R309	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R310	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R311	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R312	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R313	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R315	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R316	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R317	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R318	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R319	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R320	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R321	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R322	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R323	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R326	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R327	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R328	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R329	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R330	VR5–2290–124		1	RESISTOR, 120KOHM, 1/5W テイコウ	
R331	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R332	VR5–2290–224		1	RESISTOR, 220KOHM, 1/5W テイコウ	
R333	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R334	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R335	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R336	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R337	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R341	VR5–2290–220		1	RESISTOR, 22 OHM, 1/5W テイコウ	
R346	VR5–2290–221		1	RESISTOR, 220 OHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 –R348	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R349	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R350	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R351	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R352	VR5–2290–562		1	RESISTOR, 5.6KOHM, 1/5W テイコウ	
R353	VR5–2290–272		1	RESISTOR, 2.7KOHM, 1/4W テイコウ	
R354	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R355	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R356	VR5–2290–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R357	VR5–2290–681		1	RESISTOR, 680 OHM, 1/5W テイコウ	
R358	VR5–2290–331		1	RESISTOR, 330 OHM, 1/5W テイコウ	
R359	VR5–2290–272		1	RESISTOR, 2.7KOHM, 1/4W テイコウ	
R401	VR5–0140–472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R402	VR5–0140–472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R403	VR5–0140–272		1	RESISTOR, 2.7KOHM テイコウ	
R405	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R406	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R407	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R408	VR5–0140–472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R409	VR5–0140–222		1	RESISTOR, 2.2KOHM 1/8W テイコウ	
R410	VR5–0140–472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R411	VR5–0140–222		1	RESISTOR, 2.2KOHM 1/8W テイコウ	
R412	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R413	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R414	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R415	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R416	VR5–0140–104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R417	VR5–0140–104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R418	VR5–0140–102		1	RESISTOR, 1KOHM 1/8W テイコウ	
R419	VR5–0140–472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R420	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R421	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R422	VR5–0140–472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R423	VR5–0140–104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R424	VR5–0140–104		1	RESISTOR, 100KOHM 1/8W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 -R425	VR5-0140-104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R426	VR5-0140-102		1	RESISTOR, 1KOHM 1/8W テイコウ	
R427	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R428	VR5-0140-104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R429	VR5-0140-104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R430	VR5-0140-562		1	RESISTOR, 5.6KOHM 1/8W テイコウ	
R431	VR5-0140-562		1	RESISTOR, 5.6KOHM 1/8W テイコウ	
R432	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R433	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R434	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R435	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R437	VR5-0140-562		1	RESISTOR, 5.6KOHM 1/8W テイコウ	
R438	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R439	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R440	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R441	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R442	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R443	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R444	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R445	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R446	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R447	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R448	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R449	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R450	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R451	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R452	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R453	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R454	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R455	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R456	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R457	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R458	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R459	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R460	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 -R461	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R462	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R463	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R464	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R465	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R466	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R467	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R468	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R469	VR5-0140-471		1	RESISTOR, 470 OHM テイコウ	
R470	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R471	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R472	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R473	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R474	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R475	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R476	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R477	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R478	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R479	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R480	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R481	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R482	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R483	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R484	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R485	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R486	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R487	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R488	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R489	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R490	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R491	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R492	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R493	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R494	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R495	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 -R496	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R497	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R498	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R499	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R500	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R501	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R502	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R504	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R505	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R506	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
RA101	VR5-1930-103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA102	VR5-1930-104		1	RESISTOR ARRAY, 100KOHM テイコウ アレイ	
RA103	VR5-1930-103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA104	VR5-1930-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA105	VR5-1980-472		1	RESISTOR ARRAY, 4.7KOHM テイコウ アレイ	
RA106	VR5-1930-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA107	VR5-1980-104		1	RESISTOR ARRAY, 100KOHM テイコウ アレイ	
RA108	FH4-9059-000		1	RESISTOR, 4.9KOHM, 22KOHM テイコウ	
RA109	FH4-9059-000		1	RESISTOR, 4.9KOHM, 22KOHM テイコウ	
RA110	VR5-1930-472		1	RESISTOR ARRAY, 4.7KOHM テイコウ アレイ	
RA111	VR5-1980-103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA112	VR5-1930-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA113	VR5-1980-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA114	VR5-1930-223		1	RESISTOR ARRAY, 22KOHM テイコウ アレイ	
RA115	VR5-1980-103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA116	FH4-9059-000		1	RESISTOR, 4.9KOHM, 22KOHM テイコウ	
RA117	FH4-9059-000		1	RESISTOR, 4.9KOHM, 22KOHM テイコウ	
SW101	WC8-0073-000		1	SWITCH, DIP DIP スイッチ	
VR101	VR5-0970-103		1	RESISTOR, VARIABLE, 10KOHM B カヘン テイコウ	
X101	WK2-0102-000		1	CRYSTAL, QUARTZ, 2MHZ スイシヨウ シンドウシ	
X103	WK2-0083-000		1	CRYSTAL, QUARTZ スイシヨウ シンドウシ	
X104	WK2-0083-000		1	CRYSTAL, QUARTZ スイシヨウ シンドウシ	
X105	WK2-0083-000		1	CRYSTAL, QUARTZ スイシヨウ シンドウシ	
ZD101	WA1-0286-000		1	DIODE, ZENER, HZ2LLC ツエナー ダイオード	
ZD102	WA1-0286-000		1	DIODE, ZENER, HZ2LLC ツエナー ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
930 -ZD103	WA1-0088-000		1	DIODE, ZENER, HZ15-2 ツエナー ダ イオード	

FIGURE 931 DC CONTROLLER PCB ASSEMBLY (NP-4035)

DCコントローラ回路基板 (NP-4035)

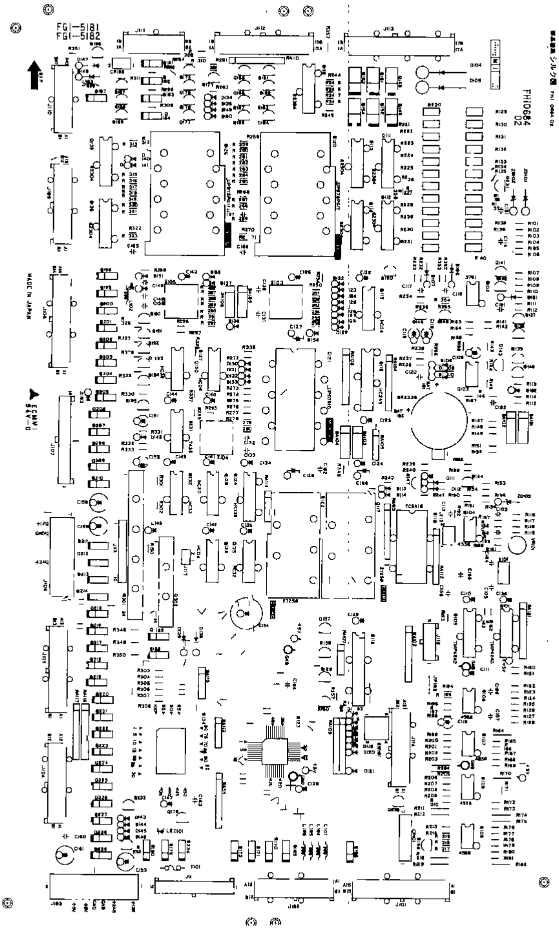

FG1-5181
FG1-5182
J111
J112
J113
J110
J109
J108
J107
J106
J105
J104
J103
J102
J101
MADE IN JAPAN
FH10684
02

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 –	FG1–5182–110		1	DC CONTROLLER PCB ASSEMBLY DC ｺﾝﾄﾛｰﾗ ｶｲﾛ ｷﾊﾞﾝ	NP–4035
BAT101	WK1–0057–000		1	BATTERY, BR2330 1HM ﾘﾁｳﾑ ﾃﾞﾝﾁ	
BAT102	WK1–0058–000		1	BATTERY, BR2330 1HF ﾘﾁｳﾑ ﾃﾞﾝﾁ	
C101	VC5–1810–473		1	CAPACITOR, 0.047UF, 50V ｺﾝﾃﾞﾝｻ	
C102	VC5–2860–475		1	CAPACITOR, 4.7UF, 35V ｺﾝﾃﾞﾝｻ	
C103	VC5–6360–474		1	CAPACITOR, 0.47UF, 50V ｺﾝﾃﾞﾝｻ	
C104	VC4–2502–330		1	CAPACITOR, 33PF, 50V ｺﾝﾃﾞﾝｻ	
C105	VC4–2502–330		1	CAPACITOR, 33PF, 50V ｺﾝﾃﾞﾝｻ	
C106	VC5–3740–104		1	CAPACITOR, 0.1UF, 50V ｺﾝﾃﾞﾝｻ	
C107	VC5–3740–104		1	CAPACITOR, 0.1UF, 50V ｺﾝﾃﾞﾝｻ	
C108	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C109	VC5–2860–475		1	CAPACITOR, 4.7UF, 35V ｺﾝﾃﾞﾝｻ	
C110	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C111	VC5–1490–476		1	CAPACITOR, 47UF, 10V ｺﾝﾃﾞﾝｻ	
C112	VC5–1810–104		1	CAPACITOR, 0.1UF, 50V ｺﾝﾃﾞﾝｻ	
C113	VC5–1810–104		1	CAPACITOR, 0.1UF, 50V ｺﾝﾃﾞﾝｻ	
C114	VC4–2502–330		1	CAPACITOR, 33PF, 50V ｺﾝﾃﾞﾝｻ	
C116	VC5–2860–475		1	CAPACITOR, 4.7UF, 35V ｺﾝﾃﾞﾝｻ	
C117	VC5–1810–104		1	CAPACITOR, 0.1UF, 50V ｺﾝﾃﾞﾝｻ	
C118	VC5–1120–106		1	CAPACITOR, 10UF, 16V ｺﾝﾃﾞﾝｻ	
C119	VC5–1120–106		1	CAPACITOR, 10UF, 16V ｺﾝﾃﾞﾝｻ	
C120	VC5–1920–102		1	CAPACITOR, 1000PF 50V ｺﾝﾃﾞﾝｻ	
C121	VC5–1810–104		1	CAPACITOR, 0.1UF, 50V ｺﾝﾃﾞﾝｻ	
C122	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C123	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C124	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C125	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C126	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C127	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C128	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C129	VC2–4161–335		1	CAPACITOR, 3.3UF, 16V ｺﾝﾃﾞﾝｻ	
C130	VC4–1501–100		1	CAPACITOR, 10PF, 50V ｺﾝﾃﾞﾝｻ	
C131	VC4–1501–100		1	CAPACITOR, 10PF, 50V ｺﾝﾃﾞﾝｻ	
C132	VC4–1501–100		1	CAPACITOR, 10PF, 50V ｺﾝﾃﾞﾝｻ	
C133	VC4–1501–100		1	CAPACITOR, 10PF, 50V ｺﾝﾃﾞﾝｻ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 -C134	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C135	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C136	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C137	VC4-3503-151		1	CAPACITOR, 150PF 50V コンデンサ	
C138	VC4-3503-101		1	CAPACITOR, 100PF, 50V コンデンサ	
C139	VC5-4630-476		1	CAPACITOR, 47UF, 16V コンデンサ	
C140	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C141	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C142	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C143	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C144	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C145	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C146	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C147	VC2-4161-335		1	CAPACITOR, 3.3UF, 16V コンデンサ	
C148	VC5-1810-473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C149	VC4-1501-100		1	CAPACITOR, 10PF, 50V コンデンサ	
C150	VC4-1501-100		1	CAPACITOR, 10PF, 50V コンデンサ	
C151	VC5-2860-475		1	CAPACITOR, 4.7UF, 35V コンデンサ	
C152	VC5-6360-105		1	CAPACITOR, 1UF, 50V コンデンサ	
C153	VC5-2860-107		1	CAPACITOR, 100UF, 35V コンデンサ	
C154	VC5-8520-477		1	CAPACITOR, 470UF 10V コンデンサ	
C155	VC4-3503-332		1	CAPACITOR, 3300PF 50V コンデンサ	
C156	VC4-3503-332		1	CAPACITOR, 3300PF 50V コンデンサ	
C158	VC5-2440-107		1	CAPACITOR, 100UF, 25V コンデンサ	
C159	VC5-6360-107		1	CAPACITOR, 100UF, 50V コンデンサ	
C160	VC5-1810-104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C161	VC5-1120-107		1	CAPACITOR, 100UF, 16V コンデンサ	
C162	VC4-3503-332		1	CAPACITOR, 3300PF 50V コンデンサ	
C163	VC4-3503-332		1	CAPACITOR, 3300PF 50V コンデンサ	
C164	VC4-3503-332		1	CAPACITOR, 3300PF 50V コンデンサ	
C165	VC4-3503-332		1	CAPACITOR, 3300PF 50V コンデンサ	
C166	VC4-3503-332		1	CAPACITOR, 3300PF 50V コンデンサ	
C201	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C202	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C203	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 –C204	VC5–1920–222		1	CAPACITOR, 2200PF, 50V コンデ ンサ	
C205	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C206	VC5–1920–222		1	CAPACITOR, 2200PF, 50V コンデ ンサ	
C208	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C209	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C211	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C212	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C213	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C215	VC5–1920–103		1	CAPACITOR, 0.01UF, 50V コンデ ンサ	
C216	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C217	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C218	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C219	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C220	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C221	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C222	VC5–1920–223		1	CAPACITOR, 0.022UF, 50V コンデ ンサ	
C225	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C226	VC5–1920–472		1	CAPACITOR, 4700PF, 50V コンデ ンサ	
C227	VC5–1920–223		1	CAPACITOR, 0.022UF, 50V コンデ ンサ	
C228	VC5–1920–222		1	CAPACITOR, 2200PF, 50V コンデ ンサ	
C229	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C230	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C231	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C232	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C233	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C234	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C235	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C236	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C238	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C239	VC5–1930–473		1	CAPACITOR, 0.047UF 50V コンデ ンサ	
C244	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C245	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C246	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C247	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	
C248	VC5–1920–102		1	CAPACITOR, 1000PF 50V コンデ ンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 -C249	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C250	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C251	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C252	VC5-1920-223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C253	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C254	VC5-1930-473		1	CAPACITOR, 0.047UF 50V コンデンサ	
C255	VC5-1920-223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C256	VC5-1920-223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C257	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
C259	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
C260	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
C262	VC5-1920-223		1	CAPACITOR, 0.022UF, 50V コンデンサ	
C263	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
C264	VC5-1920-102		1	CAPACITOR, 1000PF 50V コンデンサ	
CP101	VS1-0034-007		1	CONNECTOR, 7P コネクタ	
CP102	WS3-0420-000		1	PIN ASSEMBLY, 3P ピンアセンブリ	
D101	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D102	WA1-0625-000		1	DIODE, MA166 ダイオード	
D104	WA1-0516-000		1	DIODE, 3BZ61 ダイオード	
D105	WA1-0516-000		1	DIODE, 3BZ61 ダイオード	
D106	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D107	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D108	X65-5435-000		1	DIODE, 1S2076A ダイオード	
D109	X65-5435-000		1	DIODE, 1S2076A ダイオード	
D110	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D111	X65-5153-000		1	DIODE, 1S1585 ダイオード	
D112	X65-5153-000		1	DIODE, 1S1585 ダイオード	
D113	WA1-0625-000		1	DIODE, MA166 ダイオード	
D114	WA1-0625-000		1	DIODE, MA166 ダイオード	
D115	WA1-0625-000		1	DIODE, MA166 ダイオード	
D116	WA1-0625-000		1	DIODE, MA166 ダイオード	
D117	WA1-0625-000		1	DIODE, MA166 ダイオード	
D118	WA1-0625-000		1	DIODE, MA166 ダイオード	
D119	WA1-0625-000		1	DIODE, MA166 ダイオード	
D120	WA1-0625-000		1	DIODE, MA166 ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 -D121	WA1-0625-000		1	DIODE, MA166 ダイオード	
D122	WA1-0625-000		1	DIODE, MA166 ダイオード	
D123	WA1-0625-000		1	DIODE, MA166 ダイオード	
D124	WA1-0625-000		1	DIODE, MA166 ダイオード	
D125	WA1-0625-000		1	DIODE, MA166 ダイオード	
D126	WA1-0625-000		1	DIODE, MA166 ダイオード	
D127	WA1-0625-000		1	DIODE, MA166 ダイオード	
D128	WA1-0625-000		1	DIODE, MA166 ダイオード	
D129	WA1-0625-000		1	DIODE, MA166 ダイオード	
D130	WA1-0625-000		1	DIODE, MA166 ダイオード	
D131	WA1-0625-000		1	DIODE, MA166 ダイオード	
D132	WA1-0625-000		1	DIODE, MA166 ダイオード	
D133	WA1-0625-000		1	DIODE, MA166 ダイオード	
D134	WA1-0625-000		1	DIODE, MA166 ダイオード	
D135	WA1-0625-000		1	DIODE, MA166 ダイオード	
D136	WA1-0625-000		1	DIODE, MA166 ダイオード	
D137	WA1-0625-000		1	DIODE, MA166 ダイオード	
D138	X65-5054-000		1	DIODE, 55566B ダイオード	
D139	X65-5054-000		1	DIODE, 55566B ダイオード	
D140	WA1-0625-000		1	DIODE, MA166 ダイオード	
D141	WA1-0625-000		1	DIODE, MA166 ダイオード	
D142	WA1-0625-000		1	DIODE, MA166 ダイオード	
D143	WA1-0625-000		1	DIODE, MA166 ダイオード	
D144	WA1-0625-000		1	DIODE, MA166 ダイオード	
D145	WA1-0625-000		1	DIODE, MA166 ダイオード	
D146	WA1-0625-000		1	DIODE, MA166 ダイオード	
D147	X65-5054-000		1	DIODE, 55566B ダイオード	
D148	X65-5054-000		1	DIODE, 55566B ダイオード	
D149	WA1-0625-000		1	DIODE, MA166 ダイオード	
D150	WA1-0625-000		1	DIODE, MA166 ダイオード	
D151	WA1-0625-000		1	DIODE, MA166 ダイオード	
D152	WA1-0625-000		1	DIODE, MA166 ダイオード	
D153	WA1-0625-000		1	DIODE, MA166 ダイオード	
D154	WA1-0625-000		1	DIODE, MA166 ダイオード	
D155	WA1-0625-000		1	DIODE, MA166 ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 -D201	WA1-0426-000		1	DIODE, MA151WK 40V 0.1A ダイオード	
D202	WA1-0426-000		1	DIODE, MA151WK 40V 0.1A ダイオード	
D203	WA1-0426-000		1	DIODE, MA151WK 40V 0.1A ダイオード	
DA101	FH4-9051-000		1	DIODE ARRAY, EXH-S6P02P37 ダイオード アレイ	
DA102	FH4-9050-000		1	DIODE ARRAY, EXH-S6P02N38 ダイオード アレイ	
DA103	FH4-9050-000		1	DIODE ARRAY, EXH-S6P02N38 ダイオード アレイ	
DA104	FH4-9051-000		1	DIODE ARRAY, EXH-S6P02P37 ダイオード アレイ	
DA105	FH4-9051-000		1	DIODE ARRAY, EXH-S6P02P37 ダイオード アレイ	
DA106	FH4-9050-000		1	DIODE ARRAY, EXH-S6P02N38 ダイオード アレイ	
F101	WD1-0190-000		1	FUSE, SSFRIA ヒューズ	
FC101	WE2-0253-000		1	CAPACITOR, 100PF コンデンサ	
FC102	WE2-0253-000		1	CAPACITOR, 100PF コンデンサ	
FC103	WE2-0253-000		1	CAPACITOR, 100PF コンデンサ	
FC104	WE2-0253-000		1	CAPACITOR, 100PF コンデンサ	
FC105	WE2-0253-000		1	CAPACITOR, 100PF コンデンサ	
J101	VS1-0379-030		1	CONNECTOR, 30P コネクタ	
J102	VS1-0379-024		1	CONNECTOR, 24P コネクタ	
J103	VS1-0025-008		1	PIN ASSEMBLY, 8P ピンアセンブリ	
J104	VS1-0379-024		1	CONNECTOR, 24P コネクタ	
J105	VS1-0379-026		1	CONNECTOR, 26P コネクタ	
J106	VS1-0025-007		1	CONNECTOR, 7P コネクタ	
J107	VS1-0437-014		1	CONNECTOR, 14P コネクタ	
J108	VS1-0379-028		1	CONNECTOR, 28P コネクタ	
J109	VS1-0379-024		1	CONNECTOR, 24P コネクタ	
J110	VS1-0379-020		1	CONNECTOR, 20P コネクタ	
J111	VS1-0379-018		1	CONNECTOR, 18P コネクタ	
J112	VS1-0379-030		1	CONNECTOR, 30P コネクタ	
J113	VS1-0379-034		1	CONNECTOR, 34P コネクタ	
J114	VS1-0379-024		1	CONNECTOR, 24P コネクタ	
J115	WS3-0580-000		1	PIN ASSEMBLY, 2P ピンアセンブリ	
J116	VS1-0437-005		1	CONNECTOR, 5P コネクタ	
J117	WS3-0580-000		1	PIN ASSEMBLY, 2P ピンアセンブリ	
JP102	VR9-2324-000		1	CONNECTOR, SHORT ショートジャンパー	
JX	VS1-0437-012		1	CONNECTOR, 12P コネクタ	
JXX	VS1-0437-010		1	CONNECTOR, 10P コネクタ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 -L101	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L102	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L103	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L104	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L105	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
L106	WE2-0208-000		1	INDUCTOR, LAL03NA, 220K インダ クタ	
LED101	WG1-0305-000		1	LED, TLR116A LED	
Q101	FH4-0098-000		1	IC, TMP4240P-1301 IC	
Q102	WA4-0194-000		1	IC, MB3761M IC	
Q103	WA4-0150-000		1	IC, AN6914 IC	
Q104	WA4-0225-000		1	IC, NJM4558D IC	
Q105	FH4-0098-000		1	IC, TMP4240P-1301 IC	
Q106	WA4-0225-000		1	IC, NJM4558D IC	
Q107	WA4-0225-000		1	IC, NJM4558D IC	
Q108	WA4-0225-000		1	IC, NJM4558D IC	
Q109	WA4-0225-000		1	IC, NJM4558D IC	
Q110	WA3-1147-000		1	IC IC	
Q111	WA4-0587-000		1	TRANSISTOR ARRAY, TD62304AP トランジ スタ アレイ	
Q112	WA4-0587-000		1	TRANSISTOR ARRAY, TD62304AP トランジ スタ アレイ	
Q113	WA4-0587-000		1	TRANSISTOR ARRAY, TD62304AP トランジ スタ アレイ	
Q114	WA4-0587-000		1	TRANSISTOR ARRAY, TD62304AP トランジ スタ アレイ	
Q115	WA3-1888-000		1	IC, 04P IC	
Q116	WA3-1986-000		1	IC, 246P IC	
Q117	FF1-7111-070		1	IC, MBM27C, 256-25 IC	
Q118	WA3-2049-000		1	TRANSISTOR, TC74HC154P トランジ スタ	
Q119	WA2-0307-000		1	TRANSISTOR, TD62304P トランジ スタ	
Q120	FH4-0104-000		1	IC, UPD7811G-354 IC	
Q121	WA3-1146-000		1	IC, UPD7810G IC	
Q122	FF1-7110-060		1	IC, MBM27C, 256-25 IC	
Q123	WA3-1988-000		1	IC, TMP82C, 55AF-5 IC	
Q124	WA3-1985-000		1	IC, 138P IC	
Q125	WA3-1984-000		1	TRANSISTOR, TC74HC32P トランジ スタ	
Q126	FH4-0103-000		1	IC, UPD7811G-367 IC	
Q127	WA3-1983-000		1	IC, 08P IC	
Q128	WA3-1987-000		1	IC, 20P IC	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 -Q129	WA3-1888-000		1	IC, 04P IC	
Q130	X65-7301-000		1	IC, SN7438 IC	
Q131	X65-7301-000		1	IC, SN7438 IC	
Q132	WA3-1984-000		1	TRANSISTOR, TC74HC32P トランジスタ	
Q134	FH4-5076-020		1	IC, T7891 IC	
Q135	WA2-0307-000		1	TRANSISTOR, TD62304P トランジスタ	
Q136	WA2-0307-000		1	TRANSISTOR, TD62304P トランジスタ	
Q137	WA2-0796-000		1	TRANSISTOR, RN1201 トランジスタ	
Q138	WA2-0772-000		1	TRANSISTOR, RN1202 トランジスタ	
Q139	WA2-0772-000		1	TRANSISTOR, RN1202 トランジスタ	
Q140	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q141	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q142	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q143	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q144	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q145	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q146	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q147	WA2-0317-000		1	TRANSISTOR, 2SA950Y トランジスタ	
Q148	WA2-0863-000		1	TRANSISTOR, B1098-L トランジスタ	
Q149	WA2-0863-000		1	TRANSISTOR, B1098-L トランジスタ	
Q150	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q151	WA2-0863-000		1	TRANSISTOR, B1098-L トランジスタ	
Q152	WA2-0863-000		1	TRANSISTOR, B1098-L トランジスタ	
Q153	WA2-0863-000		1	TRANSISTOR, B1098-L トランジスタ	
Q154	WA2-0863-000		1	TRANSISTOR, B1098-L トランジスタ	
Q155	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q156	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q157	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q158	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q159	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q160	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q161	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q162	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q163	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q164	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 –Q165	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q166	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q167	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q168	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q169	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q170	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q171	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q172	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q173	WA2-0772-000		1	TRANSISTOR, RN1202 トランジスタ	
Q174	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q175	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q176	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q177	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q178	WA2-0135-000		1	TRANSISTOR, 2SA1015Y トランジスタ	
Q179	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q180	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q181	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q182	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q183	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q184	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q185	WA2-0354-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q186	WA2-0354-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q187	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q188	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q189	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q190	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q191	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q192	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q193	WA2-0775-000		1	TRANSISTOR, RN2202 トランジスタ	
Q194	WA2-0772-000		1	TRANSISTOR, RN1202 トランジスタ	
Q195	WA2-0774-000		1	TRANSISTOR, RN1204 トランジスタ	
Q196	WA2-0135-000		1	TRANSISTOR, 2SA1015Y トランジスタ	
Q197	WA2-0354-000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q198	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q199	WA2-0808-000		1	TRANSISTOR, 2SD1658 トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 –Q286	WA2–0835–000		1	TRANSISTOR, RN2402 トランジ スタ	
Q287	WA2–0835–000		1	TRANSISTOR, RN2402 トランジ スタ	
Q288	WA2–0835–000		1	TRANSISTOR, RN2402 トランジ スタ	
Q289	WA2–0833–000		1	TRANSISTOR, RN1401 トランジ スタ	
Q290	WA2–0833–000		1	TRANSISTOR, RN1401 トランジ スタ	
Q291	WA2–0833–000		1	TRANSISTOR, RN1401 トランジ スタ	
Q292	WA2–0835–000		1	TRANSISTOR, RN2402 トランジ スタ	
Q293	WA2–0834–000		1	TRANSISTOR, RN1402 トランジ スタ	
Q294	WA2–0834–000		1	TRANSISTOR, RN1402 トランジ スタ	
Q301	FH4–5097–000		1	IC, EHFS4564R86K IC	
Q302	FH4–5098–000		1	IC, EHFS2727V18S IC	
R101	VR5–2290–682		1	RESISTOR, 6.8KOHM, 1/5W テイコウ	
R102	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R103	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R104	VR5–2290–682		1	RESISTOR, 6.8KOHM, 1/5W テイコウ	
R105	VR5–2311–001		1	RESISTOR, 1.00KD, 1/8W テイコウ	
R106	VR5–2312–741		1	RESISTOR, 2.74KD, 1/8W テイコウ	
R107	VR5–2290–124		1	RESISTOR, 120KOHM, 1/5W テイコウ	
R108	VR5–2290–224		1	RESISTOR, 220KOHM, 1/5W テイコウ	
R109	VR5–2290–105		1	RESISTOR, 1M OHM, 1/5W テイコウ	
R110	VR5–2290–105		1	RESISTOR, 1M OHM, 1/5W テイコウ	
R111	VR5–2290–104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R112	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R113	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R114	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R115	VR5–2306–651		1	RESISTOR, 6 65KF, 1/8W テイコウ	
R116	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R117	VR5–2313–472		1	RESISTOR, 34.7KD, 1/8W テイコウ	
R118	VR5–2316–982		1	RESISTOR, 69.8KD, 1/8W テイコウ	
R119	VR5–2290–102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R120	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R121	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R122	VR5–2302–802		1	RESISTOR, 28.0KF, 1/8W テイコウ	
R123	VR5–2301–132		1	RESISTOR, 11.3KOHM 1/8W テイコウ	
R124	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 -R125	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R126	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R127	VR5-2301-372		1	RESISTOR, 13.7KF, 1/8W テイコウ	
R128	VR5-2301-072		1	RESISTOR, 10.7KF, 1/8W テイコウ	
R129	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R130	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R131	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R132	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R133	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R134	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R135	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R136	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R137	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R138	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R139	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R140	FH9-0117-000		1	RESISTOR, 100 OHM, 1W テイコウ	
R141	VR5-2308-251		1	RESISTOR, 8.25KF, 1/8W テイコウ	
R142	VR5-2302-321		1	RESISTOR, 2.32KF, 1/8W テイコウ	
R143	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R144	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R145	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R146	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R147	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R148	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R149	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R150	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R151	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R152	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R153	VR5-2309-312		1	RESISTOR, 93.1KF, 1/8W テイコウ	
R154	VR5-2301-003		1	RESISTOR, 1000KOHM 1/8W テイコウ	
R155	VR5-2301-002		1	RESISTOR, 10.0KF, 1/8W テイコウ	
R156	VR5-2307-152		1	RESISTOR, 71.5KF, 1/8W テイコウ	
R157	VR5-2311-622		1	RESISTOR, 16.2KD, 1/8W テイコウ	
R158	VR5-2311-543		1	RESISTOR, 154KD, 1/8W テイコウ	
R159	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	

FIGURE & KEY NO	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 –R230	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R231	FH9–0117–000		1	RESISTOR, 100 OHM, 1W テイコウ	
R232	VR5–2290–562		1	RESISTOR, 5.6KOHM, 1/5W テイコウ	
R233	VR5–2290–272		1	RESISTOR, 2.7KOHM, 1/4W テイコウ	
R234	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R235	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R236	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R237	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R238	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R239	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R240	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R241	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R243	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R244	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R245	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R246	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R247	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R248	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R249	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R250	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R251	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R252	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R253	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R254	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R255	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R256	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R257	VR5–2290–104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R258	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R259	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R260	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R261	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R262	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R263	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R264	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R265	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 –R266	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R267	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R268	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R269	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R270	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R271	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R272	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R273	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R274	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R275	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R276	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R277	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R278	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R279	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R280	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R281	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R282	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R283	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R286	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R287	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R288	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R289	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R290	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R291	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R292	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R293	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R294	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R295	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R296	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R297	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R298	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R299	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R300	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R301	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R302	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	

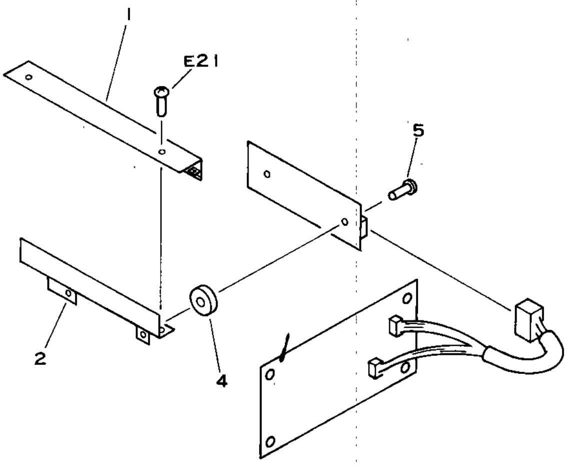
FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 –R303	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R304	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R305	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R306	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R307	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R308	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R309	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R310	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R311	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R312	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R313	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R315	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R316	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R317	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R318	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R319	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R320	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R321	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R322	VR5–2290–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R323	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R326	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R327	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R328	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R329	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R330	VR5–2290–124		1	RESISTOR, 120KOHM, 1/5W テイコウ	
R331	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R332	VR5–2290–224		1	RESISTOR, 220KOHM, 1/5W テイコウ	
R333	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R334	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R335	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R336	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R337	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R341	VR5–2290–220		1	RESISTOR, 22 OHM, 1/5W テイコウ	
R346	VR5–2290–221		1	RESISTOR, 220 OHM, 1/4W テイコウ	
R348	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	

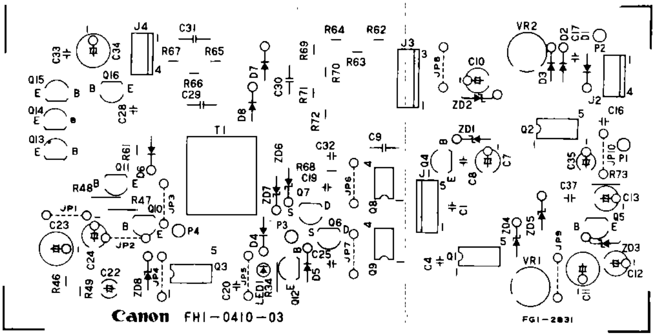
FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 -R349	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R350	VR5-2290-223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R351	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R352	VR5-2290-562		1	RESISTOR, 5.6KOHM, 1/5W テイコウ	
R353	VR5-2290-272		1	RESISTOR, 2.7KOHM, 1/4W テイコウ	
R354	VR5-2290-472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R355	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R356	VR5-2290-473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R357	VR5-2290-681		1	RESISTOR, 680 OHM, 1/5W テイコウ	
R358	VR5-2290-331		1	RESISTOR, 330 OHM, 1/5W テイコウ	
R359	VR5-2290-272		1	RESISTOR, 2.7KOHM, 1/4W テイコウ	
R401	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R402	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R403	VR5-0140-272		1	RESISTOR, 2.7KOHM テイコウ	
R405	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R406	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R407	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R408	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R409	VR5-0140-222		1	RESISTOR, 2.2KOHM 1/8W テイコウ	
R410	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R411	VR5-0140-222		1	RESISTOR, 2.2KOHM 1/8W テイコウ	
R412	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R413	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R414	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R415	VR5-0140-103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R416	VR5-0140-104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R417	VR5-0140-104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R418	VR5-0140-102		1	RESISTOR, 1KOHM 1/8W テイコウ	
R419	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R420	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R421	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R422	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R423	VR5-0140-104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R424	VR5-0140-104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R425	VR5-0140-104		1	RESISTOR, 100KOHM 1/8W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 –R426	VR5–0140–102		1	RESISTOR, 1KOHM 1/8W テイコウ	
R427	VR5–0140–332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R428	VR5–0140–104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R429	VR5–0140–104		1	RESISTOR, 100KOHM 1/8W テイコウ	
R430	VR5–0140–562		1	RESISTOR, 5.6KOHM 1/8W テイコウ	
R431	VR5–0140–562		1	RESISTOR, 5.6KOHM 1/8W テイコウ	
R432	VR5–0140–332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R433	VR5–0140–332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R434	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R435	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R437	VR5–0140–562		1	RESISTOR, 5.6KOHM 1/8W テイコウ	
R438	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R439	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R440	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R441	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R442	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R443	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R444	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R445	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R446	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R447	VR5–0140–472		1	RESISTOR, 4 7KOHM 1/8W テイコウ	
R448	VR5–0140–332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R449	VR5–0140–332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R450	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R451	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R452	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R453	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R454	VR5–0140–103		1	RESISTOR, 10KOHM 1/8W テイコウ	
R455	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R456	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R457	VR5–0140–472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R458	VR5–0140–472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R459	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R460	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R461	VR5–0140–223		1	RESISTOR, 22KOHM 1/8W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
931 -R462	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R463	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R464	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R465	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R466	VR5-0140-223		1	RESISTOR, 22KOHM 1/8W テイコウ	
R467	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R468	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R469	VR5-0140-471		1	RESISTOR, 470 OHM テイコウ	
R470	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R471	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R472	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R473	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R474	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R475	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R476	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R477	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R478	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R479	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R480	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R481	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R482	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R483	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R484	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R485	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R486	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R487	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R488	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R489	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R490	VR5-0140-472		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R491	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R492	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R493	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R494	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R495	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	
R496	VR5-0140-332		1	RESISTOR, 3.3KOHM 1/8W テイコウ	

FIGURE 940 POTENTIAL MEASURING UNIT
電位測定ユニット

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C10
D3
J2
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Q16
D7
C30
R70
R66
C29
R71
ZD2
C16
Q14
C28
D8
R72
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Q4
C8
C7
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JP1
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ZD5
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C4
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VR1
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ZD3
C12
R46
C24
C22
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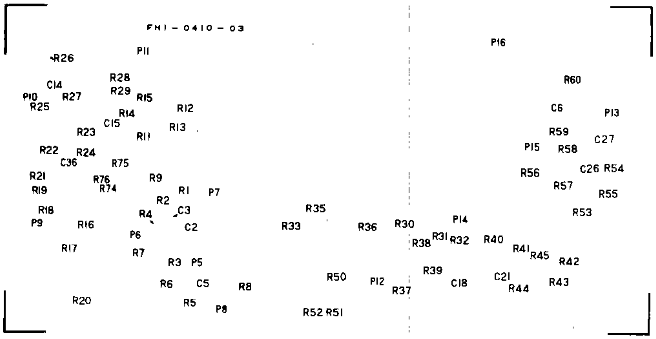
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C26
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C2
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R31
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R17
R41
R45
R7
R42
R3
P5
R39
R50
C21
R6
C5
P12
C18
R43
R8
R37
R44
R20
R5
P8
R52
R51

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
940 –	FG1-5204-040		1	POTENTIAL MEASURING UNIT デンイ ソクテイ ユニット	
1	FA4-0907-030		1	MOUNT, SENSOR センサ ダイ	
2	FA4-0906-000		1	COVER, SENSOR センサ カバー	
4	FH7-8008-000		1	SPACER スペーサ	
5	XA9-0040-000		1	SCREW, INSUL., TRUSS HEAD, M4X20 ゼツエン ビス	
C 1	VC9-0947-000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 2	VC9-1279-000		1	CAPACITOR, 0.01UF, 25V コンデンサ	
C 3	VC9-1279-000		1	CAPACITOR, 0.01UF, 25V コンデンサ	
C 4	VC9-0947-000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 5	VC9-1276-000		1	CAPACITOR, 220PF 50V コンデンサ	
C 6	VC9-1295-000		1	CAPACITOR, 330PF 50V コンデンサ	
C 7	VC1-2251-476		1	CAPACITOR, 47UF, 25V コンデンサ	
C 8	VC4-4504-473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C 9	VC9-0611-000		1	CAPACITOR, 100PF, 1KV コンデンサ	
C10	VC1-2251-476		1	CAPACITOR, 47UF, 25V コンデンサ	
C11	VC1-2351-476		1	CAPACITOR, 47UF, 35V コンデンサ	
C12	VC1-2351-476		1	CAPACITOR, 47UF, 35V コンデンサ	
C13	VC1-2251-476		1	CAPACITOR, 47UF, 25V コンデンサ	
C14	VC9-1279-000		1	CAPACITOR, 0.01UF, 25V コンデンサ	
C15	VC9-1293-000		1	CAPACITOR, 47PF 50V コンデンサ	
C16	VC4-4505-103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C17	VC9-1177-000		1	CAPACITOR, 0.047UF, 25V コンデンサ	
C18	VC9-1275-000		1	CAPACITOR, 22PF 50V コンデンサ	
C19	VC9-0947-000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C20	VC9-0947-000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C21	VC9-1279-000		1	CAPACITOR, 0.01UF, 25V コンデンサ	
C22	VC9-0167-000		1	CAPACITOR, 1UF, 50V コンデンサ	
C23	VC1-2251-107		1	CAPACITOR, 100UF, 25V コンデンサ	
C24	VC1-2251-476		1	CAPACITOR, 47UF, 25V コンデンサ	
C25	VC9-1177-000		1	CAPACITOR, 0.047UF, 25V コンデンサ	
C26	VC9-1278-000		1	CAPACITOR, 1800PF 50V コンデンサ	
C27	VC9-1278-000		1	CAPACITOR, 1800PF 50V コンデンサ	
C28	VC4-3573-472		1	CAPACITOR, 0.0047UF 500V コンデンサ	
C29	VC9-1131-000		1	CAPACITOR, 470PF 1KV コンデンサ	
C30	VC9-1135-000		1	CAPACITOR, 1000PF 2KV コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
940 –C31	VC9–0494–000		1	CAPACITOR, 100PF, 2KVDC コンデンサ	
C32	VC4–4504–333		1	CAPACITOR, 0.033UF 50V コンデンサ	
C33	VC4–4504–473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C34	VC1–2251–107		1	CAPACITOR, 100UF, 25V コンデンサ	
C35	VC1–2251–475		1	CAPACITOR, 4.7UF, 25V コンデンサ	
C36	VC9–1279–000		1	CAPACITOR, 0.01UF, 25V コンデンサ	
C37	VC9–1284–000		1	CAPACITOR, 10UF 25V コンデンサ	
D 1	X65–5032–000		1	DIODE, 1S1588 ダイオード	
D 2	X65–5032–000		1	DIODE, 1S1588 ダイオード	
D 3	X65–5032–000		1	DIODE, 1S1588 ダイオード	
D 4	X65–5032–000		1	DIODE, 1S1588 ダイオード	
D 5	X65–5032–000		1	DIODE, 1S1588 ダイオード	
D 6	WA1–0178–000		1	DIODE, 1SS81 ダイオード	
D 7	WA1–0396–000		1	DIODE, SHV–03 ダイオード	
D 8	WA1–0396–000		1	DIODE, SHV–03 ダイオード	
J 1	VS1–0341–004		1	PIN ASSEMBLY, 4P ピンアセンブリ	
J 2	VS1–0341–005		1	PIN ASSEMBLY, 5P ピンアセンブリ	
J 3	VS1–0020–003		1	PIN ASSEMBLY, 3P ピンアセンブリ	
J 4	VS1–0341–006		1	PIN ASSEMBLY, 6P ピンアセンブリ	
LED1	WG1–0157–000		1	LED, SEL2110RTGN LED	
P 1	WT1–0122–000		1	PIN ピン	
P 2	WT1–0122–000		1	PIN ピン	
P 3	WT1–0122–000		1	PIN ピン	
P 4	WT1–0122–000		1	PIN ピン	
Q 1	WA4–0225–000		1	IC, NJM4558D IC	
Q 2	WA4–0225–000		1	IC, NJM4558D IC	
Q 3	WA4–0225–000		1	IC, NJM4558D IC	
Q 4	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q 5	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q 6	WA2–0488–000		1	FET, 2SK162 M.N.L FET	
Q 7	WA2–0487–000		1	FET, 2SK162 M.N.L.K FET	
Q 8	WG8–0028–000		1	PHOTOCOUPLER, NJL5103D フォトカプラ	
Q 9	WG8–0028–000		1	PHOTOCOUPLER, NJL5103D フォトカプラ	
Q10	WA2–0232–000		1	TRANSISTOR, 2SD667A–CD トランジスタ	
Q11	WA2–0186–000		1	TRANSISTOR, 2SB740B トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
940 –Q12	WA2–0135–000		1	TRANSISTOR, 2SA1015Y トランジスタ	
Q13	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q14	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q15	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q16	WA2–0232–000		1	TRANSISTOR, 2SD667A–CD トランジスタ	
R 1	VR9–3137–000		1	RESISTOR, 3KOHM 1/8W テイコウ	
R 2	VR9–3138–000		1	RESISTOR, 22KOHM 1/8W テイコウ	
R 3	VC9–3125–000		1	RESISTOR, 270KOHM 1/8W テイコウ	
R 4	VR9–3126–000		1	RESISTOR, 47KOHM 1/8W テイコウ	
R 5	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R 6	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R 7	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R 8	VR9–3128–000		1	RESISTOR, 2KOHM 1/8W テイコウ	
R 9	VR9–3135–000		1	RESISTOR, 7.5KOHM 1/8W テイコウ	
R11	VR9–3132–000		1	RESISTOR, 100 OHM 1/8W テイコウ	
R12	VR9–3131–000		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R13	VR9–3132–000		1	RESISTOR, 100 OHM 1/8W テイコウ	
R14	VR9–3131–000		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R15	VR9–3132–000		1	RESISTOR, 100 OHM 1/8W テイコウ	
R16	VR9–3132–000		1	RESISTOR, 100 OHM 1/8W テイコウ	
R17	VR9–3131–000		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R18	VR9–3132–000		1	RESISTOR, 100 OHM 1/8W テイコウ	
R19	VR9–3128–000		1	RESISTOR, 2KOHM 1/8W テイコウ	
R20	VR9–3132–000		1	RESISTOR, 100 OHM 1/8W テイコウ	
R21	VR9–3130–000		1	RESISTOR, 100KOHM 1/8W テイコウ	
R22	VR9–3130–000		1	RESISTOR, 100KOHM 1/8W テイコウ	
R23	VR9–3133–000		1	RESISTOR, 1MOHM 1/8W テイコウ	
R24	VR9–3129–000		1	RESISTOR, 1KOHM 1/8W テイコウ	
R25	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R26	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R27	VR9–3126–000		1	RESISTOR, 47KOHM 1/8W テイコウ	
R28	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R29	VR9–3134–000		1	RESISTOR, 1.5KOHM 1/8W テイコウ	
R30	VR9–3124–000		1	RESISTOR, 27KOHM 1/8W テイコウ	
R31	VR9–3139–000		1	RESISTOR, 10MOHM 1/8W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
940 –R32	VR9–3124–000		1	RESISTOR, 27KOHM 1/8W テイコウ	
R33	VR9–3139–000		1	RESISTOR, 10MOHM 1/8W テイコウ	
R34	VR1–1141–272		1	RESISTOR, 2.7KOHM, 1/4W テイコウ	
R35	VR9–3131–000		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R36	VR9–3126–000		1	RESISTOR, 47KOHM 1/8W テイコウ	
R37	VR9–3129–000		1	RESISTOR, 1KOHM 1/8W テイコウ	
R38	VR9–3130–000		1	RESISTOR, 100KOHM 1/8W テイコウ	
R39	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R40	VR9–3131–000		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R41	VR9–3135–000		1	RESISTOR, 7.5KOHM 1/8W テイコウ	
R42	VR9–3140–000		1	RESISTOR, 3.9MOHM 1/8W テイコウ	
R43	VR9–3132–000		1	RESISTOR, 100 OHM 1/8W テイコウ	
R44	VR9–3129–000		1	RESISTOR, 1KOHM 1/8W テイコウ	
R45	VR9–3129–000		1	RESISTOR, 1KOHM 1/8W テイコウ	
R46	VR1–2141–100		1	RESISTOR, 10 OHM 1/4W テイコウ	
R47	VR1–1141–100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R48	VR1–1141–100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R49	VR9–3129–100		1	RESISTOR, 1KOHM 1/8W テイコウ	
R50	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R51	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R52	VR9–3127–000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R53	VR9–3126–000		1	RESISTOR, 47KOHM 1/8W テイコウ	
R54	VR9–3136–000		1	RESISTOR, 1.2KOHM 1/8W テイコウ	
R55	VR9–3131–000		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R56	VR9–3131–000		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R57	VR9–3126–000		1	RESISTOR, 47KOHM 1/8W テイコウ	
R58	VR9–3136–000		1	RESISTOR, 1.2KOHM 1/8W テイコウ	
R59	VR9–3131–000		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R60	VR9–3131–000		1	RESISTOR, 4.7KOHM 1/8W テイコウ	
R61	VR1–2141–222		1	RESISTOR, 2.2KOHM, 1/4W テイコウ	
R62	VR1–2141–334		1	RESISTOR, 330KOHM 1/4W テイコウ	
R63	VR1–2141–334		1	RESISTOR, 330KOHM 1/4W テイコウ	
R64	VR1–2141–334		1	RESISTOR, 330KOHM 1/4W テイコウ	
R65	VR9–2807–000		1	RESISTOR, 3.32MOHM 1/4W テイコウ	
R66	VR9–2807–000		1	RESISTOR, 3.32MOHM 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
940 −R67	VR9−2807−000		1	RESISTOR, 3.32MOHM 1/4W テイコウ	
R68	VR9−3234−000		1	RESISTOR, 34.8KOHM 1/4W テイコウ	
R69	VR1−2141−125		1	RESISTOR, 1.2MOHM 1/4W テイコウ	
R70	VR1−2141−125		1	RESISTOR, 1.2MOHM 1/4W テイコウ	
R71	VR1−2141−125		1	RESISTOR, 1.2MOHM 1/4W テイコウ	
R72	VR1−2141−125		1	RESISTOR, 1.2MOHM 1/4W テイコウ	
R73	VR1−1141−202		1	RESISTER, 2KOHM 1/4W テイコウ	
R74	VR9−3127−000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R75	VR9−3127−000		1	RESISTOR, 10KOHM 1/8W テイコウ	
R76	VR9−3143−000		1	RESISTOR, 200KOHM 1/8W テイコウ	
T 1	FH3−0164−000		1	TRANSFORMER トランス	
VR1	VR5−2940−105		1	RESISTOR, VARIABLE, 1MKOHM カヘン テイコウ	
VR2	VR5−2940−204		1	RESISTOR, VARIABLE, 200KOHM カヘン テイコウ	
ZD1	WA1−0088−000		1	DIODE, ZENER, HZ15−2 ツエナー ダ イオード	
ZD2	WA1−0082−000		1	DIODE, ZENER, HZ20−1 ツエナー ダ イオード	
ZD3	WA1−0083−000		1	DIODE, ZENER, HZ24−2 ツエナー ダ イオード	
ZD4	WA1−0191−000		1	DIODE, ZENER, HZ7C−2 ツエナー ダ イオード	
ZD5	WA1−0290−000		1	DIODE, ZENER, HZ6C−1 ツエナー ダ イオード	
ZD6	WA1−0130−000		1	DIODE, ZENER, HZ5C−2 ツエナー ダ イオード	
ZD7	WA1−0130−000		1	DIODE, ZENER, HZ5C−2 ツエナー ダ イオード	
ZD8	WA1−0193−000		1	DIODE, ZENER, HZ12−2 ツエナー ダ イオード	

FIGURE 941 DRUM HEATER CONTROL PCB ASSEMBLY
ドラム温調回路基板

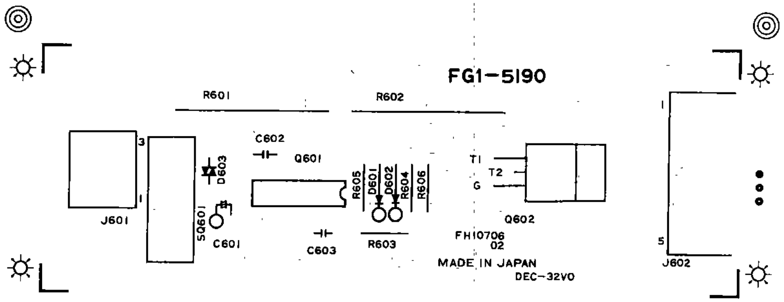
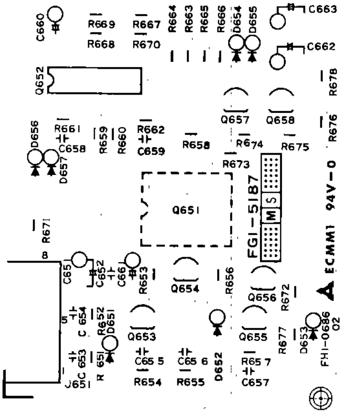

FG1−5190
R601
R602
C602
Q601
3
1
D603
J601
SQ601
C601
C603
R605
D601
D602
R604
R606
R603
T1
T2
G
Q602
FH10706
02
MADE IN JAPAN
DEC−32V0
1
5
J602

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
941 –	FG1–5189–000		1	DRUM HEATER CONTROL PCB ASS'Y ドラム オンチョウ カイロ キバン	100/115V
	FG1–5190–000		1	DRUM HEATER CONTROL PCB ASS'Y ドラム オンチョウ カイロ キバン	220/240V
C601	VC1–2161–107		1	CAPACITOR, 100UF, 16V コンデンサ	
C602	VC3–2501–104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C603	VC3–2501–103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
D601	X65–5032–000		1	DIODE, 1S1588 ダイオード	
D602	X65–5032–000		1	DIODE, 1S1588 ダイオード	
D603	WA8–0036–000		1	VARISTOR, 270V バリスタ	
J601	VS1–0129–003		1	CONNECTOR, 3P コネクタ	
J602	VS1–0035–005		1	CONNECTOR, 5P コネクタ	
Q601	WA4–0574–000		1	SWITCH, IC IC スイッチ	
Q602	WA5–0078–000		1	TRIAC, SW6JA5 トライアック	
R601	FH9–0116–000		1	RESISTOR, 6.8KOHM 5W テイコウ	
R602	FH9–0116–000		1	RESISTOR, 6.8KOHM 5W テイコウ	
R603	VR5–0041–272		1	RESISTOR, 12.7KOHM 1/4W テイコウ	
R604	VR5–0041–272		1	RESISTOR, 12.7KOHM 1/4W テイコウ	
R605	VR5–0041–272		1	RESISTOR, 12.7KOHM 1/4W テイコウ	
R606	VR1–1141–680		1	RESISTOR, 68 OHM 1/4W テイコウ	
SQ601	WK3–0058–000		1	NOISE SUPPRESSOR, XE1201 スパーク キラー	220/240V
	X62–8249–000		1	NOISE SUPPRESSOR, AU1201 スパーク キラー	100/115V

FIGURE 960 CCD DRIVER PCB ASSEMBLY
CCDドライバ回路基板


C660
R669
R668
R667
R670
R664
R663
R665
R666
D654
D655
C663
C662
Q652
R678
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Q658
D656
R661
C658
D657
R659
R660
R662
C659
R658
R674
R675
R676
R673
Q651
FGI-5187
S
M
94V-0
ECMM1
R671
8
C651
C652
C661
R653
Q654
R656
Q656
R672
5
C 654
R652
D651
Q653
Q655
R677
D653
FHI-0686
02
C 653
R 651
C65 5
C65 6
D652
R65 7
C657
J651
R654
R655

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
960 -	FG0-0340-000		1	CCD DRIVER PCB ASSEMBLY CCD ドライバ カイロ キバン	
C651	VC5-0870-476		1	CAPACITOR, 47U, 25V コンデンサ	
C652	VC4-4504-103		1	CAPACITOR CERAMIC 0.01UF 50V コンデンサ	
C653	VC4-3503-271		1	CAPACITOR, 270PF, 50V コンデンサ	
C654	VC4-3503-271		1	CAPACITOR, 270PF, 50V コンデンサ	
C655	VC4-3503-271		1	CAPACITOR, 270PF, 50V コンデンサ	
C656	VC4-3503-271		1	CAPACITOR, 270PF, 50V コンデンサ	
C657	VC4-3503-271		1	CAPACITOR, 270PF, 50V コンデンサ	
C658	VC4-3503-151		1	CAPACITOR, 150PF 50V コンデンサ	
C659	VC4-3503-151		1	CAPACITOR, 150PF 50V コンデンサ	
C660	VC2-4351-335		1	CAPACITOR, 3.3MF, 35V コンデンサ	
C661	VC2-4351-335		1	CAPACITOR, 3.3MF, 35V コンデンサ	
C662	VC5-6380-336		1	CAPACITOR, 33U, 25V コンデンサ	
C663	VC5-2440-336		1	CAPACITOR, 33U, 25V コンデンサ	
D651	WA1-0625-000		1	DIODE, MA166 ダイオード	
D652	WA1-0625-000		1	DIODE, MA166 ダイオード	
D653	WA1-0625-000		1	DIODE, MA166 ダイオード	
D654	WA1-0625-000		1	DIODE, MA166 ダイオード	
D655	WA1-0625-000		1	DIODE, MA166 ダイオード	
D656	WA1-0625-000		1	DIODE, MA166 ダイオード	
D657	WA1-0625-000		1	DIODE, MA166 ダイオード	
J651	WS3-0535-000		1	CONNECTOR, 8P コウクタ	
Q651	WG3-0044-000		1	CCD, TCD104C CCD	
Q652	WA4-0049-000		1	IC, TL084C IC	
Q653	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q654	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q655	WA2-0135-000		1	TRANSISTOR, 2SA1015Y トランジスタ	
Q656	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q657	WA2-0135-000		1	TRANSISTOR, 2SA1015Y トランジスタ	
Q658	WA2-0124-000		1	TRANSISTOR, 2SC1815Y トランジスタ	
R651	VR5-2290-102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R652	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R653	VR5-2290-102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R654	VR5-2290-102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R655	VR5-2290-103		1	RESISTOR, 10KOHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
960 –R656	VR5–2290–102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R657	VR5–2290–223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R658	VR5–2290–102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R659	VR5–2290–563		1	RESISTOR, 56KOHM, 1/5W テイコウ	
R660	VR5–2290–563		1	RESISTOR, 56KOHM, 1/5W テイコウ	
R661	VR5–2290–563		1	RESISTOR, 56KOHM, 1/5W テイコウ	
R662	VR5–2290–563		1	RESISTOR, 56KOHM, 1/5W テイコウ	
R663	VR5–2301–402		1	RESISTOR, 14KOHM 1/8W テイコウ	
R664	VR5–2301–402		1	RESISTOR, 14KOHM 1/8W テイコウ	
R665	VR5–2305–602		1	RESISTOR, 56KOHM 1/8W テイコウ	
R666	VR5–2305–602		1	RESISTOR, 56KOHM 1/8W テイコウ	
R667	VR5–2290–563		1	RESISTOR, 56KOHM, 1/5W テイコウ	
R668	VR5–2290–563		1	RESISTOR, 56KOHM, 1/5W テイコウ	
R669	VR5–2290–474		1	RESISTOR, 470KOHM 1/5W テイコウ	
R670	VR5–2290–273		1	RESISTOR, 27KOHM, 1/5W テイコウ	
R671	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R672	VR5–2290–562		1	RESISTOR, 5.6KOHM, 1/5W テイコウ	
R673	VR5–2290–122		1	RESISTOR, 1.2KOHM 1/5W テイコウ	
R676	VR5–2290–183		1	RESISTOR, 18KOHM 1/5W テイコウ	
R677	VR5–2290–562		1	RESISTOR, 5.6KOHM, 1/5W テイコウ	
R678	VR5–2290–183		1	RESISTOR, 18KOHM 1/5W テイコウ	

FIGURE 965 FRONT DOOR DETECTION PCB ASSEMBLY
前ドアー検知回路基板

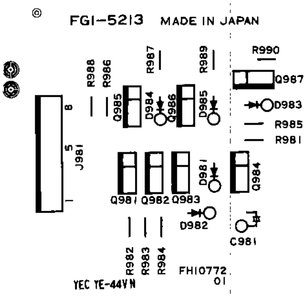

©
FGI−5213 MADE IN JAPAN
R987
R989
R990
R988
R986
Q987
Q985
D984
Q986
D985
D983
8
R985
R981
5
J981
D981
Q984
1
Q981
Q982
Q983
D982
C981
R982
R983
R984
FH10772
01
YEC YE-44VN

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
965 –	FG1-5213-000		1	FRONT DOOR DETECTION PCB ASS'Y マエ ド ア ケンチ カイロ	
C981	VC5-2910-476		1	CAPACITOR, 47UF, 35V コンデ ンサ	
D981	WA1-0625-000		1	DIODE, MA166 ダ イオード	
D982	WA1-0625-000		1	DIODE, MA166 ダ イオード	
D983	WA1-0625-000		1	DIODE, MA166 ダ イオード	
D984	WA1-0625-000		1	DIODE, MA166 ダ イオード	
D985	WA1-0625-000		1	DIODE, MA166 ダ イオード	
J981	WS3-0425-000		1	CONNECTOR, 8P コネクタ	
Q981	WA2-0772-000		1	TRANSISTOR, RN1202 トランジ スタ	
Q982	WA2-0772-000		1	TRANSISTOR, RN1202 トランジ スタ	
Q983	WA2-0772-000		1	TRANSISTOR, RN1202 トランジ スタ	
Q984	WA2-0772-000		1	TRANSISTOR, RN1202 トランジ スタ	
Q985	WA2-0772-000		1	TRANSISTOR, RN1202 トランジ スタ	
Q986	WA2-0772-000		1	TRANSISTOR, RN1202 トランジ スタ	
Q987	WA2-0772-000		1	TRANSISTOR, RN1202 トランジ スタ	
R981	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R982	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R983	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R984	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R985	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R986	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R987	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R988	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R989	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R990	VR1-2201-103		1	RESISTOR, 10KOHM, 1/8W テイコウ	

FIGURE 970 BLACK TONER LEVEL SENSOR PCB
黒トナー残量検知回路基板

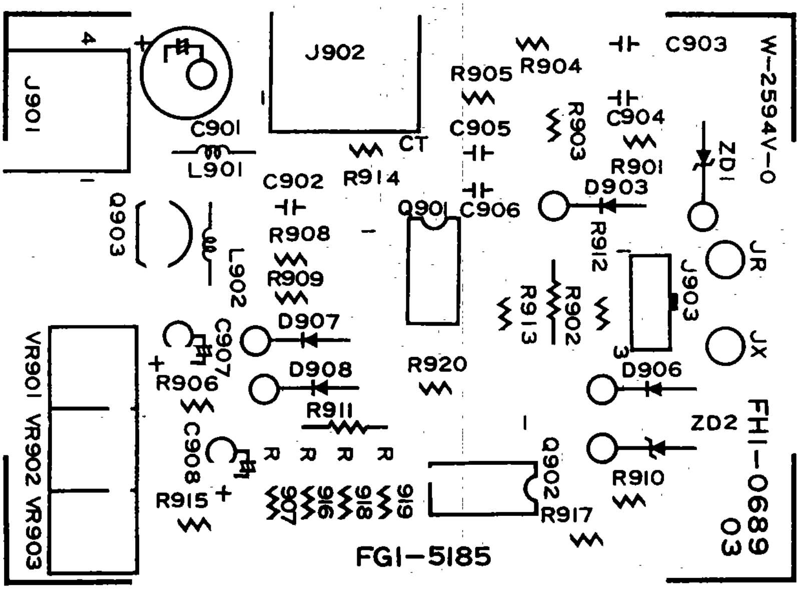
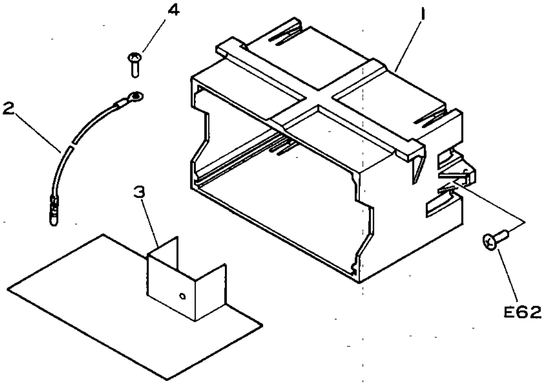

J901
4
J902
1
CT
R905
R904
C903
W-2594V-0
C901
L901
C905
R903
C904
R914
R901
ZD1
C902
D903
Q901
C906
Q903
R908
L902
R912
JR
R909
J903
R902
R913
D907
C907
3
JX
VR901 VR902 VR903
R906
D908
R920
D906
R911
FH1-0689
03
ZD2
C908
Q902
R R R R
907 916 918 919
R910
R915
R917
FG1-5185

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
970 –	FG1–5185–000		1	BLACK TONER LEVEL SENSOR PCB クロトナーザンリヨウ ケンチ カイロ キバン	
C901	VC5–2910–476		1	CAPACITOR, 47UF, 35V コンデンサ	
C902	VC3–2501–104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C903	VC3–2501–103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C904	VC3–2501–103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C905	VC3–2501–103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C906	VC3–2501–103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C907	VC5–2910–475		1	CAPACITOR, 4.7UF, 35V コンデンサ	
C908	VC5–2910–475		1	CAPACITOR, 4.7UF, 35V コンデンサ	
D903	WA1–0291–000		1	DIODE, S5566B ダイオード	
D906	WA1–0291–000		1	DIODE, S5566B ダイオード	
D907	WA1–0291–000		1	DIODE, S5566B ダイオード	
D908	WA1–0291–000		1	DIODE, S5566B ダイオード	
J901	WS3–0428–000		1	CONNECTOR, 4P コネクタ	
J902	WS3–0532–000		1	PIN ASSEMBLY, 5P ピンアセンブリ	
J903	VS1–0437–003		1	CONNECTOR, 3P コネクタ	
L901	WE2–0208–000		1	INDUCTOR, LAL03NA, 220K インダクタ	
L902	WE2–0208–000		1	INDUCTOR, LAL03NA, 220K インダクタ	
Q901	WA4–0367–000		1	IC, UPC358 IC	
Q902	WA4–0367–000		1	IC, UPC358 IC	
Q903	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジスタ	
R901	VR5–2290–683		1	RESISTOR, 68KOHM, 1/5W テイコウ	
R902	VR1–1141–515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R903	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R904	VR5–2290–104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R905	VR5–2290–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R906	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R907	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R908	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R909	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R910	VR5–2290–154		1	RESISTOR, 150KOHM, 1/5W テイコウ	
R911	VR1–1141–515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R912	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R913	VR5–2290–104		1	RESISTOR, 100KOHM, 1/5W テイコウ	
R914	VR5–2290–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
970 –R915	VR5–2290–333		1	RESISTOR, 33KOHM, 1/5W テイコウ	
R916	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R917	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R918	VR5–2290–101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R919	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R920	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
VR 1	VR5–5350–103		1	RESISTOR, VARIABLE, 10KOHM カヘン テイコウ	
VR 2	VR5–5350–103		1	RESISTOR, VARIABLE, 10KOHM カヘン テイコウ	
VR 3	VR5–5350–103		1	RESISTOR, VARIABLE, 10KOHM カヘン テイコウ	
ZD1	WA1–0074–000		1	DIODE, HZ24–2 ダイオード	
ZD2	WA1–0074–000		1	DIODE, HZ24–2 ダイオード	

FIGURE 980 H.V. TRANSFORMER ASSEMBLY
高圧トランス



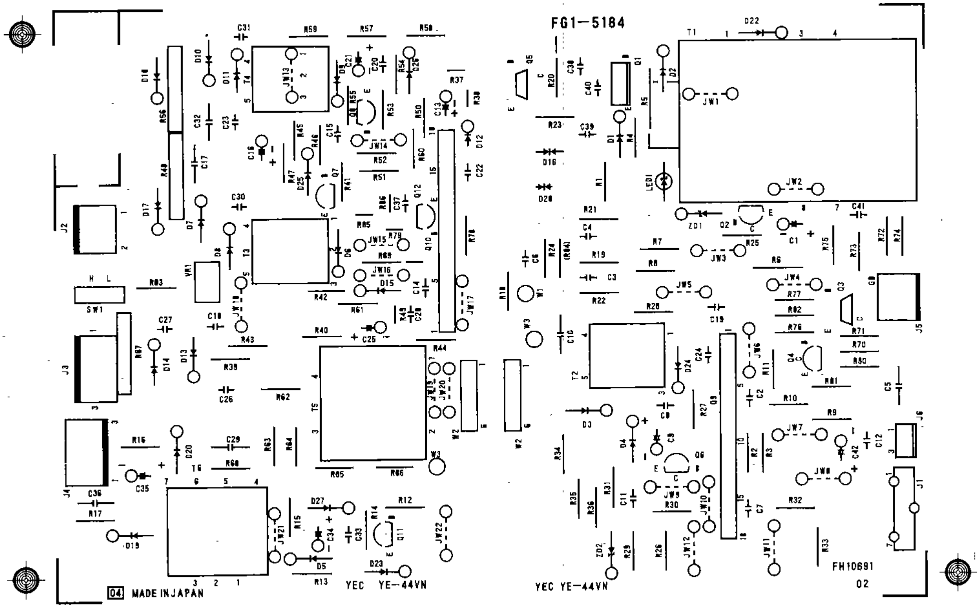

FG1−5184
T1
D22
JW1
JW2
T2
T3
T4
T5
T6
J1
J2
J3
J4
J5
J6
SW1
VR1
04 MADE IN JAPAN
YEC YE−44VN
YEC YE−44VN
FH10691
02

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
980 –	FG9–2175–000		1	HV TRANSFORMER ASSEMBLY コウアツ トランス	NP–4040,NP–4035
	FG9–2176–000		1	HV TRANSFORMER ASSEMBLY コウアツ トランス	NP–5540,NP–5040 NP–4540
1	FF1–6340–000		1	HV ASSEMBLY コウアツ ユニット	
2	FF1–6096–000		1	CABLE ケーブル	
3	FA3–8862–000		1	HEATSINK ヒートシンク	
4	XA9–0192–000		1	SCREW WITH WASHER, M4X6 ビス	
C 1	VC1–2351–476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 2	VC9–0947–000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 3	VC9–0947–000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 4	VC9–0947–000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 5	VC9–1441–000		1	CAPACITOR, 10000PF, 1KV コンデンサ	
C 6	VC9–0947–000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 7	VC9–0947–000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 8	VC4–4504–473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C 9	VC1–2351–476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 10	VC9–1441–000		1	CAPACITOR, 10000PF, 1KV コンデンサ	
C 11	VC4–4504–102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C 12	VC9–1177–000		1	CAPACITOR, 0.047UF, 25V コンデンサ	
C 13	VC1–2251–106		1	CAPACITOR, 10UF, 25V コンデンサ	
C 14	VC9–0947–000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 15	VC4–4504–473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C 16	VC1–2351–476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 17	VC9–1441–000		1	CAPACITOR, 10000PF, 1KV コンデンサ	
C 18	VC9–0947–000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 19	VC5–1990–821		1	CAPACITOR, 820PF, 50V コンデンサ	
C 20	VC4–4504–473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C 21	VC1–2351–476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 22	VC9–0947–000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 23	VC9–0947–000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 24	VC9–1177–000		1	CAPACITOR, 0.047UF, 25V コンデンサ	
C 25	VC1–2251–476		1	CAPACITOR, 47UF, 25V コンデンサ	
C 26	VC5–8480–102		1	CAPACITOR, 1000PF, 500V コンデンサ	
C 27	VC5–5730–471		1	CAPACITOR, 470PF, 1KV コンデンサ	
C 28	VC5–8660–102		1	CAPACITOR, 0.001UFJ, 50V コンデンサ	
C 29	VC9–0936–000		1	CAPACITOR, 6800PF, 500V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
980 -C 30	VC5-5730-471		1	CAPACITOR, 470PF, 1KV コンデンサ	
C 31	VC5-5730-471		1	CAPACITOR, 470PF, 1KV コンデンサ	
C 32	VC9-1441-000		1	CAPACITOR, 10000PF, 1KV コンデンサ	
C 33	VC4-4504-473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C 34	VC1-2351-476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 35	VC1-2351-476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 36	VC5-8480-103		1	CAPACITOR, 10000P, 500V コンデンサ	
C 38	VC5-5730-102		1	CAPACITOR, 1000P, 1KV コンデンサ	
C 39	VC5-5730-101		1	CAPACITOR, 100P, 1KV コンデンサ	
C 40	VC5-2810-183		1	CAPACITOR, 0.022U, 200V コンデンサ	
C 41	VC5-5730-222		1	CAPACITOR, 470P, 1KV コンデンサ	
C 42	VC1-2351-476		1	CAPACITOR, 47UF, 35V コンデンサ	
D 1	WA1-0178-000		1	DIODE, 1SS81 ダイオード	
D 2	WA1-0301-000		1	DIODE, EM-1 ダイオード	
D 3	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 4	WA1-0178-000		1	DIODE, 1SS81 ダイオード	
D 5	WA1-0178-000		1	DIODE, 1SS81 ダイオード	
D 6	WA1-0178-000		1	DIODE, 1SS81 ダイオード	
D 7	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 8	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 9	WA1-0178-000		1	DIODE, 1SS81 ダイオード	
D 10	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 11	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 12	WA1-0522-000		1	DIODE, 1SS133 ダイオード	
D 13	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 14	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 15	X65-5032-000		1	DIODE, 1S1588 ダイオード	
D 16	WA8-0071-000		1	VARISTOR, TNR15G821K バリスタ	
D 17	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 18	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 19	WA1-0302-000		1	DIODE, ES01F ダイオード	
D 20	WA1-0178-000		1	DIODE, 1SS81 ダイオード	
D 22	WA1-0396-000		1	DIODE, SHV-03 ダイオード	
D 23	WA1-0178-000		1	DIODE, 1SS81 ダイオード	
D 24	WA1-0178-000		1	DIODE, 1SS81 ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
980 –D 25	WA1–0178–000		1	DIODE, 1SS81 ダ イオード	
D 26	WA1–0178–000		1	DIODE, 1SS81 ダ イオード	
D 27	WA1–0178–000		1	DIODE, 1SS81 ダ イオード	
D 28	WA8–0100–000		1	VARISTOR, TNR9G331K バ リスタ	
LED1	WG1–0201–000		1	LED ハツコウ ダ イオード	
Q 1	WA2–0831–000		1	TRANSISTOR, 2SC3834 トランジ スタ	
Q 2	WA2–0770–000		1	TRANSISTOR, RN1002 トランジ スタ	
Q 3	WA2–0957–000		1	TRANSISTOR, 2SC3675 トランジ スタ	
Q 4	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジ スタ	
Q 5	WA2–0957–000		1	TRANSISTOR, 2SC3675 トランジ スタ	
Q 6	WA2–0232–000		1	TRANSISTOR, 2SD667A–CD トランジ スタ	
Q 7	WA2–0232–000		1	TRANSISTOR, 2SD667A–CD トランジ スタ	
Q 8	WA2–0232–000		1	TRANSISTOR, 2SD667A–CD トランジ スタ	
Q 9	FH4–5060–000		1	IC, MC–5637 トランジ スタ	
Q 10	FH4–5075–000		1	TC, MC–5643 トランジ スタ	
Q 11	WA2–0232–000		1	TRANSISTOR, 2SD667A–CD トランジ スタ	
Q 12	WA2–0124–000		1	TRANSISTOR, 2SC1815Y トランジ スタ	
R 1	VR1–1141–472		1	RESISTOR, 4.7KOHMJ, 1/4W テイコウ	
R 2	VR1–1141–392		1	RESISTOR, 3.9KOHMJ, 1/4W テイコウ	
R 3	VR1–1141–392		1	RESISTOR, 3.9KOHMJ, 1/4W テイコウ	
R 4	VR1–1141–221		1	RESISTOR, 220OHMJ, 1/4W テイコウ	
R 5	VR5–4420–200		1	RESISTOR, 20OHMJ, 1/2W テイコウ	
R 6	VR5–2410–109		1	RESISTOR, 1OHMJ, 1W テイコウ	
R 7	VR5–0042–263		1	RESISTOR, 226KF, 1/4W テイコウ	
R 8	VR5–0041–003		1	RESISTOR, 100KF, 1/4W テイコウ	
R 9	VR1–1141–474		1	RESISTOR, 470KOHMJ, 1/4W テイコウ	
R 10	VR1–1141–472		1	RESISTOR, 4.7KOHMJ, 1/4W テイコウ	
R 11	VR1–1141–102		1	RESISTOR, 1KOHMJ, 1/4W テイコウ	
R 12	VR1–1141–472		1	RESISTOR, 4.7KOHMJ, 1/4W テイコウ	
R 13	VR1–1141–100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R 14	VR1–1141–472		1	RESISTOR, 4.7KOHMJ, 1/4W テイコウ	
R 15	VR1–1141–100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R 16	VR1–1141–105		1	RESISTOR, 1MOHMJ, 1/4W テイコウ	
R 17	VR1–1141–104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R 18	VR1–1141–102		1	RESISTOR, 1KOHMJ, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER/REMARKS
980 –R 19	VR5–0041–332		1	RESISTOR, 13.3KOHM, 1/4W テイコウ	
R 20	VR1–1141–104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R 21	VR1–1141–203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R 22	VR1–1141–474		1	RESISTOR, 470KOHMJ, 1/4W テイコウ	
R 23	VR1–1141–103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 24	VR5–2302–212		1	RESISTOR, 22.1K, 1/8W テイコウ	
R 25	VR1–1141–471		1	RESISTOR, 470OHM, 1/4W テイコウ	
R 26	VR1–1141–322		1	RESISTOR, 3.3KOHM, 1/4W テイコウ	
R 27	VR1–1141–472		1	RESISTOR, 4.7KOHMJ, 1/4W テイコウ	
R 28	VR1–1141–100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R 29	VR5–0044–752		1	RESISTOR, 47.5KOHM, 1/4W テイコウ	
R 30	VR1–1141–103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 31	VR1–1141–229		1	RESISTOR, 2.2OHM, 1/4W テイコウ	
R 32	VR1–1141–103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 33	VR1–1141–474		1	RESISTOR, 470KOHMJ, 1/4W テイコウ	
R 34	VR5–2511–004		1	RESISTOR, 1MOHM, 1/4W テイコウ	
R 35	VR5–2511–004		1	RESISTOR, 1MOHM, 1/4W テイコウ	
R 36	VR5–0041–003		1	RESISTOR, 100KF, 1/4W テイコウ	
R 37	VR5–2290–472		1	RESISTOR, 4.7KOHM, 1/5W テイコウ	
R 38	VR5–2290–203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R 39	VR5–0043–011		1	RESISTOR, 3.01KOHM, 1/4W テイコウ	
R 40	VR5–0041–501		1	RESISTOR, 1.5KOHM, 1/4W テイコウ	
R 41	VR1–1141–322		1	RESISTOR, 3.3KOHM, 1/4W テイコウ	
R 42	VR1–1141–103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 43	VR5–0047–872		1	RESISTOR, 78.7KOHM, 1/4W テイコウ	
R 44	VR1–1141–474		1	RESISTOR, 470KOHMJ, 1/4W テイコウ	
R 45	VR1–1141–229		1	RESISTOR, 2.2OHM, 1/4W テイコウ	
R 46	VR1–1141–472		1	RESISTOR, 4.7KOHMJ, 1/4W テイコウ	
R 47	VR1–1141–100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R 48	FH4–9055–000		1	RESISTOR, ARRAY, 4.7M, 150KOHM テイコウ アレイ	
R 49	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R 50	VR1–1141–103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 51	VR1–1141–474		1	RESISTOR, 470KOHMJ, 1/4W テイコウ	
R 52	VR1–1141–322		1	RESISTOR, 3.3KOHM, 1/4W テイコウ	
R 53	VR1–1141–229		1	RESISTOR, 2.2OHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
980 –R 54	VR1–1141–472		1	RESISTOR, 4.7KOHMJ, 1/4W テイコウ	
R 55	VR1–1141–100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R 56	FH4–9056–000		1	RESISTOR, ARRAY, 1M, 100KOHM テイコウ アレイ	
R 57	VR5–0041–333		1	RESISTOR, 133KOHM, 1/4W テイコウ	
R 58	VR5–0043–011		1	RESISTOR, 3.01KOHM, 1/4W テイコウ	
R 59	VR5–0043–011		1	RESISTOR, 3.01KOHM, 1/4W テイコウ	
R 60	VR1–1141–103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 61	VR5–0045–113		1	RESISTOR, 511KOHM, 1/4W テイコウ	
R 62	VR1–1141–225		1	RESISTOR, 2.2MOHM, 1/4W テイコウ	
R 63	VR1–1141–563		1	RESISTOR, 56KOHM, 1/4W テイコウ	
R 64	VR1–1141–515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R 65	VR1–1141–515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R 66	VR1–1141–515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R 67	FH4–9057–000		1	RESISTOR, ARRAY, 100M, 1MOHM テイコウ アレイ	
R 68	VR1–1141–515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R 69	VR5–2410–220		1	RESISTOR, 22 OHM, 1W テイコウ	
R 70	VR5–0041–873		1	RESISTOR, 187K, 1/4W テイコウ	
R 71	VR5–0041–873		1	RESISTOR, 187K, 1/4W テイコウ	
R 72	VR1–1141–515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R 73	VR1–1141–515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R 74	VR1–1141–473		1	RESISTOR, 47KOHM, 1/4W テイコウ	
R 75	VR1–1141–104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R 76	VR5–0042–002		1	RESISTOR, 20.0KOHM, 1/4W テイコウ	
R 77	VR1–1141–363		1	RESISTOR, 3.6KOHM, 1/4W テイコウ	
R 78	VR1–1141–103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 79	VR5–2290–103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R 80	VR5–0041–873		1	RESISTOR, 187K, 1/4W テイコウ	
R 81	VR5–0041–873		1	RESISTOR, 187K, 1/4W テイコウ	
R 82	VR5–0048–872		1	RESISTOR, 88.7KOHM, 1/4W テイコウ	
R 83	VR1–1141–273		1	RESISTOR, 27KOHM, 1/4W テイコウ	
R 85	VR5–2290–823		1	RESISTOR, 82KOHM, 1/5W テイコウ	
R 86	VR5–2290–332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
SW 1	WC3–0039–000		1	SWITCH, SSS312 スイッチ	
T 1	FH3–0235–000		1	TRANSFORMER トランス	
T 2	FH3–0166–000		1	TRANSFORMER トランス	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER/REMARKS
980 -T 3	FH3-0166-000		1	TRANSFORMER トランス	
T 4	FH3-0166-000		1	TRANSFORMER トランス	
T 5	FH3-0233-000		1	TRANSFORMER トランス	
T 6	FH3-0243-000		1	TRANSFORMER トランス	
VR 1	VR5-2540-503		1	RESISTOR, VARIABLE, 50KOHM カヘン テイコウキ	
ZD 1	WA1-0122-000		1	DIODE, ZENER, HZ18-2 ツエナー ダ イオード	
ZD 2	WA1-0122-000		1	DIODE, ZENER, HZ18-2 ツエナー ダ イオード	

FIGURE B LIST OF CONNECTOR
コネクタ一覧表

Connector No. コネクタNo.	Male オス		Female メス	
	Connector コネクタ	Contact 端子	Connector コネクタ	Contact 端子
J1	WS4-0059-000	WS4-0075-000	WS4-0060-000	WS4-0073-000
J2	PCB	–	FH2-5158-000	WS4-0211-000 WS4-0212-000
J3	VS3-0172-006	WS3-1141-000	WS4-0060-000	WS4-0074-000
J4	VS4-0001-002	WS4-0219-000	VS4-0002-002	WS4-0218-000
J5	–	–	–	WS3-0916-000
J6	VS3-0048-004	WS3-0916-000	PCB	–
J7	PCB	–	VS3-0047-005	WS3-0916-000
J8	PCB	–	VS3-0044-002	WS3-0916-000
J9	VS1-0066-003	–	WS4-0063-000	WS4-0076-000
J10	VS4-0003-004	WS3-0885-000	VS1-0192-004	–
J11	VS4-0002-001	WS4-0218-000	VS4-0001-002	WS4-0220-000
J12	PCB	–	VS1-0192-003	–
J13	VS4-0003-005	WS3-0885-000	VS1-0192-005	–
J14	PCB	–	VS1-0192-006	–
J15	PCB	–	VS3-0045-003	WS3-0916-000
J16	PCB	–	VS1-0441-034	–
J17	PCB	–	VS3-0044-008	WS3-0916-000
J18	VS4-0001-003	WS4-0220-000	–	–
J19	PCB	–	VS3-0044-007	WS3-0916-000
J20	PCB	–	VS1-0440-009	–
J21	PCB	–	VS3-0044-005	VS3-0916-000
J23	VS4-0001-006	WS4-0220-000	VS4-0002-006	WS4-0218-000
J24	VS4-0003-002	WS3-0885-000	VS1-0192-002	–
J26	VS4-0003-003	WS3-0885-000	VS1-0192-003	–
J27	FH7-5218-000	WS3-1178-000 WS3-1179-000	FH2-5217-000	FH2-5206-000 FH2-5205-000
J28	PCB	–	VS1-0192-002	–
J29	VS4-0001-002	WS4-0220-000	VS4-0002-002	WS4-0218-000
J30	VS4-0002-002	WS4-0218-000	VS4-0001-002	WS4-0210-000
J31	PCB	–	VS3-0074-003	WS3-0437-000
J32	PCB	–	VS1-0192-003	–
J33	–	–	WS4-0096-000	WS4-0074-000
J34	PCB	–	WS4-0064-000	WS4-0074-000
J35	VS4-0003-002	WS3-0885-000	VS1-0192-002	–
J36	VS4-0003-003	WS3-0885-000	VS1-0192-003	–
J37	PCB	–	VS1-0192-003	–
J38	PCB	–	VS1-0192-003	–
J39	VS4-0003-002	WS3-0885-000	VS1-0192-002	–
J40	PCB	–	VS1-0192-003	–
J41	PCB	–	VS1-0192-003	–
J42	VS4-0003-002	WS3-0885-000	VS1-0192-002	–

Connector No. コネクタNo.	Male オス		Female メス	
	Connector コネクタ	Contact 端子	Connector コネクタ	Contact 端子
J43	VS4-0003-003	WS3-0885-000	VS1-0192-003	–
J44	VS4-0003-003	WS3-0885-000	VS1-0192-003	–
J45	–	–	VS4-0002-012	WS4-0218-000
J46	–	–	VS1-0192-003	–
J47	WS3-0431-000	WS4-0181-000	–	–
J48	VS4-0003-002	WS3-0885-000	VS3-0074-002	WS3-0437-000
J49	VS4-0003-002	WS3-0885-000	WS3-0589-000	WS3-0437-000
J50	PCB	–	WS3-0429-000	WS3-0437-000
J51	PCB	–	WS3-0429-000	WS3-0437-000
J52	–	–	WS3-0429-000	WS3-0437-000
J53	VS4-0001-009	WS4-0220-000	VS4-0002-009	WS4-0218-000
J54	VS4-0001-002	WS4-0220-000	VS4-0002-002	WS4-0128-000
J55	VS4-0003-004	WS3-0885-000	VS1-0192-004	–
J56	VS4-0003-003	WS3-0885-000	VS1-0192-003	–
J57	–	–	WS3-0429-000	WS3-0437-000
J58	VS4-0001-009	WS4-0220-000	VS4-0002-009	WS4-0218-000
J59	PCB	–	WS3-0429-000	WS3-0437-000
J60	PCB	–	WS3-0429-000	WS3-0437-000
J61	PCB	–	WS3-0429-000	WS3-0437-000
J62	VS4-0003-008	WS3-0885-000	VS1-0192-008	–
J63	–	–	VS4-0002-012	WS4-0218-000
J64	–	–	WS4-0064-000	WS4-0074-000
J65	–	–	VS4-0002-006	WS4-0218-000
J66	–	–	VS4-0002-004	WS4-0218-000
J67	–	–	VS4-0002-015	WS4-0218-000
J69	PCB	–	VS1-0192-005	–
J70	PCB	–	VS3-0047-003	WS3-0916-000
J71	PCB	–	VS3-0047-007	WS3-0916-000
J72	PCB	–	VS3-0044-005	WS3-0196-000
J73	PCB	–	VS3-0044-005	WS3-0916-000
J74	PCB	–	VS3-0047-006	WS3-0916-000
J75	PCB	–	VS3-0047-006	WS3-0916-000
J76	PCB	–	VS3-0045-004	WS3-0916-000
J77	PCB	–	VS3-0045-004	WS3-0916-000
J78	PCB	–	VS3-0044-009	WS3-0916-000
J79	PCB	–	VS3-0044-011	WS3-0916-000
J81	VS4-0002-015	WS4-0217-000 WS4-0218-000	VS4-0001-015	WS4-0219-000 WS4-0220-000
J82	PCB	–	VS3-0044-005	WS3-0916-000
J83	VS4-0002-002	WS4-0217-000	VS4-0002-002	WS4-0217-000
J84	PCB	–	WS3-0429-000	WS4-0181-000
J85	PCB	–	VS1-0440-007	–
J86	PCB	–	VS3-0045-003	WS3-0916-000
J87	PCB	–	WS3-0430-000	WS3-0437-000
		WS4-0219-000		WS4-0217-000

Connector No. コネクタNo.	Male オス		Female メス	
	Connector コネクタ	Contact 端子	Connector コネクタ	Contact 端子
J88	VS4-0001-012	WS4-0220-000	VS4-0002-012	WS4-0218-000
J89	PCB	—	VS3-0045-003	WS3-0916-000
J90	VS4-0003-002	WS3-0885-000	VS1-0192-002	—
J99	—	—	WS4-0064-000	WS4-0073-000 WS4-0074-000
J101	PCB	—	VS1-0441-030	—
J102	PCB	—	VS1-0441-024	—
J103	PCB	—	VS3-0044-008	WS3-0916-000
J104	PCB	—	VS1-0441-024	—
J105	PCB	—	VS1-0441-026	—
J106	PCB	—	VS3-0044-007	WS3-0916-000
J107	PCB	—	VS1-0440-014	—
J108	PCB	—	VS1-0441-028	—
J109	PCB	—	VS1-0441-024	—
J110	PCB	—	VS1-0441-020	—
J111	PCB	—	VS1-0441-018	—
J112	PCB	—	VS1-0441-030	—
J113	PCB	—	VS1-0441-034	—
J651	PCB	—	VS1-0192-008	—
J701 (L, U)	PCB	—	VS1-0192-006	—
J702 (L, U)	PCB	—	VS1-0192-006	—
J703	PCB	—	VS3-0044-012	WS3-0916-000
J704	PCB	—	VS1-0440-015	—
J851	PCB	—	VS4-0440-008	—
J901	PCB	—	VS1-0192-004	—
J951	PCB	—	VS1-0192-006	—
J952	PCB	—	VS1-0192-005	—
J981	PCB	—	WS3-0434-000	WS3-0437-000

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FA4-0134-000	550 - 6
FA4-0135-000	550 - 7
FA4-0136-000	550 - 8
FA4-0137-040	550 - 9
FA4-0138-030	550 - 10
FA4-0139-000	550 - 11
FA4-0141-000	550 - 12A
FA4-0143-000	550 - 2
FA4-0144-020	550 - 17
FA4-0146-000	103 - 21
FA4-0147-000	103 - 41
FA4-0151-050	510 - 2
FA4-0152-000	510 - 6
FA4-0153-000	510 - 18
FA4-0154-000	510 - 3
FA4-0161-000	250 - 1
FA4-0162-000	250 - 2
FA4-0163-000	250 - 10
FA4-0164-000	250 - 4
FA4-0166-000	251 - 1
FA4-0172-000	640 - 4
FA4-0173-000	640 - 5
FA4-0174-000	640 - 6
FA4-0175-040	640 - 7
FA4-0176-000	640 - 8
FA4-0177-000	640 - 9
FA4-0178-000	640 - 10
FA4-0179-000	640 - 11
FA4-0180-000	640 - 12
FA4-0181-000	640 - 13
FA4-0182-000	640 - 14
FA4-0183-000	640 - 15
FA4-0184-000	640 - 1A
FA4-0185-000	640 - 1B
FA4-0186-000	640 - 1C
FA4-0192-000	640 - 17
FA4-0193-020	640 - 18
FA4-0197-000	640 - 38
FA4-0202-000	620 - 3
FA4-0203-000	620 - 4
FA4-0204-000	620 - 5
FA4-0205-000	620 - 6
FA4-0206-000	620 - 7
FA4-0207-000	620 - 8
FA4-0208-000	620 - 9
FA4-0209-000	620 - 10
FA4-0210-000	620 - 11
FA4-0211-000	620 - 12
FA4-0222-000	130 - 3
FA4-0223-000	130 - 4
FA4-0224-000	130 - 5
FA4-0225-000	130 - 6
FA4-0226-000	130 - 7
FA4-0227-000	130 - 8
FA4-0229-000	130 - 2A
FA4-0235-000	560 - 6
FA4-0237-000	290 - 3
FA4-0242-000	291 - 4
FA4-0243-000	291 - 5
FA4-0244-000	291 - 6
FA4-0245-000	291 - 7
	323 - 3
FA4-0246-000	291 - 3
FA4-0247-000	291 - 20
FA4-0261-000	710 - 12
FA4-0263-000	710 - 13
FA4-0265-000	710 - 15
FA4-0266-000	710 - 16
FA4-0267-000	710 - 17
FA4-0268-000	710 - 18
FA4-0270-000	710 - 19
FA4-0273-000	710 - 21
FA4-0275-000	710 - 23
FA4-0276-000	710 - 4A
	710 - 24
FA4-0279-030	710 - 25
FA4-0280-000	710 - 26
FA4-0281-000	710 - 27
FA4-0284-000	710 - 28
FA4-0285-000	710 - 29
FA4-0287-000	710 - 2A
FA4-0289-000	710 - 5A
FA4-0290-000	710 - 43A
FA4-0291-000	710 - 45
FA4-0292-000	710 - 8
FA4-0293-000	710 - 9
FA4-0294-000	710 - 44
FA4-0295-000	710 - 11
FA4-0296-000	710 - 49
FA4-0298-000	710 - 7
FA4-0300-000	710 - 48
FA4-0325-000	160 - 4
FA4-0392-000	103 - 80
FA4-0393-000	103 - 81
FA4-0394-000	103 - 82
FA4-0395-000	103 - 83
FA4-0403-000	320 - 12
FA4-0406-030	321 - 15
FA4-0407-000	322 - 16
FA4-0408-020	321 - 48
FA4-0409-030	321 - 49
FA4-0410-050	321 - 16
FA4-0411-000	322 - 17
FA4-0412-000	322 - 18
FA4-0413-050	322 - 19
FA4-0414-000	322 - 20
FA4-0415-000	320 - 15
FA4-0416-000	320 - 16
FA4-0417-020	321 - 17
FA4-0418-000	321 - 18
FA4-0419-000	321 - 19
FA4-0420-020	322 - 21
FA4-0421-000	322 - 22
FA4-0422-000	322 - 23
FA4-0424-000	323 - 4
FA4-0425-000	323 - 5
FA4-0426-000	320 - 17
	321 - 4B
FA4-0430-000	320 - 20
FA4-0431-000	320 - 21
FA4-0432-000	320 - 22
FA4-0433-020	321 - 20
	322 - 24
FA4-0434-000	320 - 23
FA4-0436-020	322 - 25
FA4-0437-020	322 - 26
FA4-0439-000	320 - 24
FA4-0440-000	322 - 27
FA4-0441-000	320 - 25
FA4-0442-000	323 - 6
FA4-0443-000	321 - 21
	322 - 28
FA4-0444-000	321 - 22

PART NUMBER	FIGURE & KEY NO.
FA4-0444-000	322 - 29
FA4-0447-000	320 - 29
FA4-0449-000	320 - 44
FA4-0450-000	321 - 58
FA4-0451-000	322 - 54
FA4-0452-000	321 - 1A
FA4-0453-000	320 - 51
FA4-0462-000	322 - 2B
FA4-0466-000	103 - 71
FA4-0472-000	103 - 72
	384 - 49
FA4-0473-000	103 - 73
FA4-0478-000	328 - 3
FA4-0479-000	321 - 46
FA4-0480-000	320 - 48
FA4-0482-000	328 - 4
FA4-0486-000	260 - 2
FA4-0488-000	260 - 3
FA4-0491-000	327 - 1
FA4-0492-000	327 - 2
FA4-0501-000	103 - 65
FA4-0503-000	103 - 66
FA4-0504-000	103 - 67
FA4-0505-000	103 - 68
FA4-0509-020	570 - 6
FA4-0510-000	570 - 4
FA4-0512-000	570 - 7
FA4-0513-000	570 - 8
FA4-0515-000	570 - 9
FA4-0516-000	570 - 10
FA4-0517-000	570 - 11
FA4-0519-000	570 - 12
FA4-0521-000	350 - 1
FA4-0522-000	350 - 2
FA4-0523-000	350 - 3
FA4-0524-000	350 - 4
FA4-0525-000	350 - 5
FA4-0526-000	350 - 6
FA4-0527-000	350 - 7
FA4-0528-000	350 - 8
FA4-0529-000	350 - 9
FA4-0530-000	350 - 10
FA4-0531-000	350 - 11
FA4-0532-000	350 - 12
FA4-0533-000	350 - 13
FA4-0534-000	350 - 14
FA4-0535-000	350 - 15
FA4-0536-000	350 - 27
FA4-0537-000	570 - 15
FA4-0538-000	570 - 16
FA4-0539-000	570 - 17
FA4-0547-000	355 - 4
FA4-0548-000	355 - 6
FA4-0552-000	192 - 1A
FA4-0553-000	192 - 1B
FA4-0554-000	192 - 1C
FA4-0555-000	192 - 1D
FA4-0556-000	192 - 1E
FA4-0561-030	810 - 24
FA4-0562-000	810 - 25
FA4-0563-000	810 - 26
FA4-0564-000	810 - 27
FA4-0571-000	810 - 28
FA4-0575-000	810 - 31
FA4-0575-050	810 - 23A
FA4-0576-000	810 - 32
FA4-0577-000	810 - 33
FA4-0578-000	810 - 34
FA4-0578-040	810 - 23B
FA4-0579-000	810 - 35
FA4-0580-000	810 - 36
FA4-0581-000	810 - 37
FA4-0581-040	810 - 37
FA4-0584-000	810 - 38
FA4-0586-000	810 - 39
FA4-0587-000	810 - 40
FA4-0588-000	810 - 41
FA4-0589-000	810 - 42
FA4-0590-000	810 - 43
FA4-0591-000	810 - 44
FA4-0592-000	810 - 45
FA4-0593-000	810 - 46
FA4-0594-000	810 - 47
FA4-0595-000	810 - 48
FA4-0597-000	810 - 49
FA4-0598-000	810 - 50
FA4-0600-000	810 - 51
FA4-0605-000	810 - 54
FA4-0606-000	810 - 55
FA4-0610-000	810 - 56
FA4-0611-000	810 - 57
FA4-0612-000	810 - 58
FA4-0613-000	810 - 59

PART NUMBER	FIGURE & KEY NO.
FA4-0614-020	810 - 60
FA4-0615-000	810 - 61
FA4-0616-000	810 - 62
FA4-0617-000	810 - 63
FA4-0618-000	810 - 64
FA4-0620-000	810 - 65
FA4-0621-000	810 - 66
FA4-0622-000	810 - 67
FA4-0623-000	810 - 22
FA4-0624-000	810 - 99A
FA4-0626-000	810 -101
FA4-0627-000	810 -103
FA4-0628-000	810 - 23D
FA4-0629-000	810 -105
FA4-0631-000	381 - 10
FA4-0632-000	381 - 11
	382 - 11
FA4-0635-000	381 - 12
	382 - 12
FA4-0636-000	381 - 13
	382 - 13
FA4-0637-040	381 - 14
	382 - 14
FA4-0638-000	381 - 15
FA4-0639-020	381 - 16
	382 - 16
FA4-0640-000	381 - 17
	382 - 17
FA4-0641-000	381 - 18
	382 - 18
FA4-0644-040	381 - 19
	382 - 19
FA4-0648-000	381 - 20
	382 - 20
FA4-0650-020	381 - 21
FA4-0651-000	381 - 22
	382 - 22
FA4-0652-000	381 - 23
	382 - 23
FA4-0654-000	381 - 24
	382 - 24
FA4-0655-000	381 - 25
	382 - 25
FA4-0656-000	381 - 26
	382 - 26
FA4-0657-000	381 - 27
	382 - 27
FA4-0658-000	381 - 28
	382 - 28
FA4-0659-000	381 - 29
	382 - 29
FA4-0660-000	381 - 30
	382 - 30
FA4-0661-000	381 - 31
FA4-0662-000	381 - 32
	382 - 32
FA4-0663-000	381 - 33
	382 - 33
FA4-0664-000	381 - 34
	382 - 34
FA4-0668-000	810 - 23E
FA4-0669-000	810 - 23F
FA4-0674-000	280 - 2
FA4-0675-000	280 - 3
FA4-0676-000	280 - 4
FA4-0677-000	280 - 5
FA4-0681-000	370 - 12
	371 - 12
FA4-0684-000	370 - 13
	371 - 13
FA4-0685-000	370 - 14
	371 - 14
FA4-0686-030	370 - 15
	371 - 15
FA4-0687-030	370 - 16
	371 - 16
FA4-0688-020	370 - 17
	371 - 17
FA4-0689-000	370 - 18
	371 - 18
FA4-0690-040	370 - 19
	371 - 19
FA4-0692-000	370 - 20
FA4-0693-000	370 - 21
FA4-0694-000	370 - 22
FA4-0695-000	370 - 23
FA4-0696-000	370 - 24
FA4-0697-000	370 - 25
FA4-0698-000	370 - 26
FA4-0699-000	370 - 27
FA4-0703-000	370 - 28
FA4-0704-000	370 - 29
FA4-0707-000	370 - 30

PART NUMBER	FIGURE & KEY NO.
FA4-0708-000	370 - 31
FA4-0709-000	370 - 32
FA4-0710-000	370 - 33
FA4-0711-000	370 - 34
FA4-0712-000	370 - 35
FA4-0713-000	370 - 36
	371 - 3
FA4-0715-000	370 - 37
	371 - 4
FA4-0721-000	386 - 2
FA4-0722-000	386 - 3
FA4-0723-000	386 - 4
FA4-0734-000	264 - 9
FA4-0751-050	110 - 2
	111 - 2
	112 - 1
FA4-0752-000	112 - 3
FA4-0753-000	112 - 17
FA4-0757-000	120 - 2
FA4-0758-000	120 - 3
FA4-0759-000	120 - 4
FA4-0760-000	120 - 5
FA4-0761-000	351 - 2
	351A- 2
FA4-0762-000	351 - 3
	351A- 3
FA4-0763-000	351 - 4
FA4-0763-030	351A- 4
FA4-0765-000	351 - 5
FA4-0765-020	351A- 5
FA4-0766-000	351 - 6
	351A- 6
FA4-0767-000	351 - 7
	351A- 7
FA4-0768-000	351 - 8
	351A- 8
FA4-0769-000	351 - 9
	351A- 9
FA4-0770-040	351 - 10
	351A- 10
FA4-0773-020	351 - 11
	351A- 11
FA4-0774-000	351 - 12
	351A- 12
FA4-0775-000	351 - 13
FA4-0775-020	351A- 13
FA4-0776-000	351A- 22
FA4-0791-000	352 - 1
	352A- 1
FA4-0793-000	352 - 2
FA4-0793-030	352A- 2
FA4-0794-000	352 - 3
	352A- 3
FA4-0795-000	352 - 4
	352A- 4
FA4-0796-000	352 - 5
	352A- 5
FA4-0797-000	352 - 6
	352A- 6
FA4-0798-000	352 - 7
FA4-0798-020	352A- 7
FA4-0800-000	352 - 8
	352A- 8
FA4-0801-000	352 - 9
	352A- 9
FA4-0802-000	352 - 10
	352A- 10
FA4-0803-000	352 - 21
	352A- 21
FA4-0804-000	352A- 24
FA4-0806-000	384 - 8
FA4-0807-000	384 - 9
FA4-0808-000	384 - 10
FA4-0809-000	384 - 11
FA4-0811-000	384 - 13
FA4-0812-000	384 - 14
FA4-0813-000	384 - 15
FA4-0814-000	384 - 16
FA4-0815-000	384 - 17
FA4-0816-000	384 - 18
FA4-0817-000	384 - 19
FA4-0818-000	384 - 20
FA4-0819-000	384 - 21
FA4-0820-000	384 - 22
FA4-0823-000	384 - 23
FA4-0825-000	384 - 24
FA4-0826-000	384 - 25
FA4-0827-000	384 - 26
FA4-0828-000	384 - 27
FA4-0829-000	384 - 28
FA4-0830-000	384 - 29
FA4-0831-000	384 - 30
FA4-0832-000	291 - 8

PART NUMBER	FIGURE & KEY NO.
FA4-0832-000	384 - 31
FA4-0833-000	384 - 32
FA4-0836-000	384 - 33
FA4-0837-000	384 - 34
FA4-0838-000	384 - 35
FA4-0839-000	384 - 36
FA4-0842-000	384 - 38
FA4-0843-000	384 - 39
FA4-0846-000	384 - 40
FA4-0848-000	384 - 41
FA4-0849-000	384 - 42
FA4-0850-000	384 - 43
FA4-0851-000	384 - 44
FA4-0852-000	384 - 45
FA4-0853-000	384 - 46
FA4-0854-000	384 - 47
FA4-0855-000	103 - 9
	250 - 9
	384 - 48
FA4-0856-000	384 - 95
FA4-0857-000	384 - 12A
FA4-0858-000	384 -100
FA4-0860-000	384 -101
FA4-0861-000	384 -102
FA4-0862-000	384 -103
FA4-0864-000	384 -105
FA4-0866-000	275 - 1
FA4-0867-000	275 - 2
FA4-0868-000	275 - 3
FA4-0869-000	275 - 4
FA4-0871-000	121 - 2
FA4-0872-000	121 - 3
FA4-0876-000	371 - 6
FA4-0897-000	770 - 2
FA4-0899-000	770 - 8
FA4-0901-000	770 - 7
FA4-0902-000	710 - 46
FA4-0906-000	940 - 2
FA4-0907-030	940 - 1
FA4-0924-000	641 - 54
FA4-0925-000	641 - 10
FA4-0928-000	641 - 13
FA4-0929-000	641 - 51
FA4-0930-000	641 - 52
FA4-0932-000	641 - 17
FA4-0936-020	641 - 2A
FA4-0938-000	641 - 19
FA4-0942-000	641 - 20
FA4-0943-000	641 - 21
FA4-0944-000	641 - 22
FA4-0945-000	641 - 23
FA4-0947-020	641 - 24
FA4-0948-000	641 - 25
FA4-0949-000	641 - 26
FA4-0956-000	641 - 53
FA4-0958-000	641 - 29
FA4-0970-000	641 - 48
FA4-0971-000	641 - 49
FA4-0975-000	641 - 50
FA4-1005-000	103 - 3
FA4-1007-020	103 - 4
FA4-1008-000	103 - 37
FA4-1010-000	103 - 6
FA4-1012-000	101 - 1
FA4-1013-020	100 - 16
FA4-1014-000	100 - 6
FA4-1015-000	100 - 21
FA4-1017-000	100 - 7
FA4-1018-000	100 - 8
FA4-1019-000	100 - 17
FA4-1021-000	100 - 9
FA4-1022-000	103 - 70
FA4-1023-000	103 - 7
FA4-1024-000	103 - 48
FA4-1025-000	103 - 8
FA4-1026-000	402 - 15
FA4-1027-000	210 - 35
FA4-1028-060	210 - 36
FA4-1029-000	210 - 37
FA4-1030-000	210 - 38
FA4-1031-000	103 - 10
FA4-1032-000	103 - 32
FA4-1033-000	103 - 11
FA4-1038-020	103 - 12
FA4-1039-000	102 - 30
FA4-1042-000	102 - 1
FA4-1043-000	102 - 2
FA4-1044-000	102 - 3
FA4-1047-000	103 - 13
FA4-1049-000	103 - 46
FA4-1050-000	103 - 47
FA4-1052-000	102 - 33
FA4-1053-000	103 - 33

PART NUMBER	FIGURE & KEY NO.
FA4-1054-000	101 - 26
FA4-1055-000	102 - 31
FA4-1056-000	103 - 15
FA4-1057-000	102 - 4
FA4-1058-000	102 - 5
FA4-1059-000	102 - 6
FA4-1060-000	102 - 81
FA4-1061-000	102 - 8
FA4-1062-000	102 - 9
FA4-1064-000	104 - 2
FA4-1067-000	103 - 38
FA4-1068-000	103 - 39
FA4-1069-030	102 - 11
FA4-1070-000	100 - 10
FA4-1071-000	101 - 46
FA4-1073-000	100 - 28
FA4-1074-000	102 - 12
FA4-1075-000	100 - 11
FA4-1076-000	101 - 16
FA4-1077-000	102 - 13
FA4-1078-000	102 - 44
FA4-1079-000	103 - 16
FA4-1080-000	103 - 43
FA4-1085-000	102 - 14
FA4-1086-000	103 - 34
FA4-1087-000	103 - 35
FA4-1088-000	250 - 3
FA4-1089-000	103 - 17
FA4-1090-000	103 - 18
FA4-1091-000	102 - 35
FA4-1092-000	102 - 36
FA4-1094-000	103 - 44
FA4-1095-000	103 - 45
FA4-1097-020	370 - 38
	371 - 5
FA4-1098-000	102 - 16
FA4-1102-000	102 - 17
FA4-1103-000	100 - 12
FA4-1104-000	102 - 56
FA4-1105-000	101 - 3
FA4-1106-000	102 - 66
FA4-1107-030	102 - 18
FA4-1110-020	102 - 19
FA4-1111-000	102 - 61
	102 - 77
FA4-1112-000	102 - 62
FA4-1114-000	103 - 20
FA4-1115-030	103 - 36
FA4-1118-000	103 - 29A
FA4-1119-000	101 - 22
	102 - 20
FA4-1120-000	102 - 21
FA4-1121-000	101 - 4
	102 - 43
FA4-1122-000	101 - 5
FA4-1123-000	103 - 84
FA4-1124-000	102 - 67
FA4-1126-000	100 - 13
FA4-1138-000	100 - 22
FA4-1139-000	103 - 61
FA4-1140-000	100 - 29
FA4-1143-000	101 - 40
FA4-1144-000	102 - 24
FA4-1145-000	103 - 55
FA4-1147-000	102 - 22
FA4-1148-000	102 - 23
FA4-1149-000	103 - 62
FA4-1150-000	295 - 3
FA4-1151-000	100 - 1
FA4-1152-000	103 - 88
FA4-1153-000	103 - 99
FA4-1155-000	103 - 96
FA4-1156-000	101 - 43
FA4-1157-000	103 - 14
FA4-1158-000	102 - 69
FA4-1160-000	102 - 70
FA4-1162-000	103 - 85
FA4-1163-000	101 - 47
FA4-1174-000	102 - 72
FA4-1175-000	103 - 94
FA4-1176-000	103 -101
FA4-1179-000	384 - 50
FA4-1180-000	210 - 41
FA4-1181-000	103 - 19B
FA4-1187-020	100 - 37
FA4-1188-000	400 - 16A
FA4-1481-000	001 - 2
FA4-1482-000	001 - 3
FA4-1483-000	001 - 4
FA4-1484-000	001 - 5
FA4-1487-000	001 - 6
FA4-1490-000	001 - 7
FA4-1491-000	001 - 8
FA4-1492-000	001 - 9
FA4-1493-000	001 - 10
FA4-1494-000	001 - 1
FA4-6317-000	560 - 2
FA4-6704-000	100 - 1
FA4-8130-000	100 - 5
FA4-9907-000	160 - 6
FA5-0009-020	915 - 3
FA5-1185-000	160 - 7
FA9-0023-000	111 - 10
FA9-0026-000	112 - 13
FA9-0027-000	112 - 13
FA9-0029-000	110 - 12
FA9-1501-000	291 - 6
FA9-1652-000	915 - 4
FA9-1908-000	381 - 52
	382 - 44
FA9-1918-000	381 - 12
	382 - 12
FA9-1949-000	640 - 39
FE9-0001-000	001 - 17
FF1-2538-000	810 - 13
FF1-2556-000	810 - 14
FF1-5994-000	303 - 7
	304 - 8
FF1-5995-030	300 - 8
	301 - 7
	302 - 8
FF1-5996-000	303 - 8
FF1-5997-000	304 - 9
FF1-5998-000	303 - 9
	304 - 10
FF1-5999-040	301 - 8
	302 - 9
FF1-6003-000	102 - 15
FF1-6096-000	980 - 2
FF1-6204-000	400 - 1
FF1-6205-000	401 - 1
FF1-6206-000	102 - 29
FF1-6208-020	210 - 1
FF1-6209-020	210 - 2
FF1-6210-000	210 - 3
FF1-6211-000	400 - 2
FF1-6212-000	264 - 1
FF1-6213-020	264 - 2
FF1-6214-000	102 - 39
FF1-6216-000	370 - 1
	371 - 1
FF1-6217-000	370 - 2
	371 - 2
FF1-6218-000	370 - 3
FF1-6219-000	370 - 4
FF1-6220-000	370 - 5
FF1-6221-000	370 - 6
FF1-6222-000	120 - 1
FF1-6223-000	103 - 63
FF1-6224-030	101 - 8
FF1-6225-020	570 - 1
FF1-6226-030	103 - 22
FF1-6227-000	355 - 1
FF1-6228-000	355 - 2
FF1-6229-000	192 - 1
FF1-6230-000	103 - 23
FF1-6231-000	103 - 24
FF1-6232-000	103 - 25
FF1-6233-000	103 - 26
FF1-6234-000	103 - 79
FF1-6235-000	104 - 1
FF1-6236-000	103 - 74
	384 - 51
FF1-6237-000	102 - 57
FF1-6238-000	102 - 58
FF1-6239-000	260 - 1
FF1-6242-040	321 - 1
FF1-6244-000	320 - 3
FF1-6246-000	321 - 4A
	322 - 2A
FF1-6247-000	102 - 25
FF1-6248-000	351 - 20
FF1-6248-020	351A- 20
FF1-6249-020	351 - 1
	351A- 1
FF1-6253-000	384 - 1
FF1-6254-000	384 - 2
FF1-6256-000	710 - 1
FF1-6257-000	810 - 1
FF1-6258-000	810 - 2
FF1-6259-000	810 - 3
FF1-6260-000	810 - 4
FF1-6261-000	810 - 5
FF1-6262-000	810 - 6
FF1-6263-000	810 - 7
FF1-6266-050	381 - 1
FF1-6266-050	382 - 1
FF1-6267-000	381 - 2
	382 - 2
FF1-6268-000	381 - 3
	382 - 3
FF1-6269-000	381 - 4
FF1-6270-000	381 - 5
	382 - 43
FF1-6271-000	280 - 1
FF1-6273-000	810 - 8
FF1-6274-000	640 - 1
FF1-6275-000	640 - 2
FF1-6276-000	384 - 3
FF1-6277-000	710 - 2
FF1-6278-000	710 - 3
FF1-6279-000	384 - 4
FF1-6280-000	384 - 5
FF1-6281-000	321 - 3
	322 - 1
FF1-6282-000	102 - 26
FF1-6283-000	270 - 1
FF1-6284-000	291 - 1
FF1-6285-030	103 - 27
FF1-6286-000	290 - 1
FF1-6287-000	101 - 9
FF1-6288-000	103 - 28
FF1-6290-000	295 - 1
FF1-6291-000	102 - 27
FF1-6292-000	101 - 10
FF1-6294-000	100 - 18
FF1-6295-000	102 - 41
FF1-6296-000	103 - 29
FF1-6298-000	001 - 16
FF1-6299-000	103 - 40
FF1-6300-020	570 - 2
FF1-6301-020	810 - 9
FF1-6302-000	810 - 10
FF1-6304-040	101 - 11
FF1-6305-040	103 - 30
FF1-6307-000	810 - 11
FF1-6308-000	810 - 12
FF1-6314-000	001 - 11
FF1-6315-000	001 - 12
FF1-6316-000	510 - 1
FF1-6317-000	100 - 14
FF1-6319-020	620 - 2
FF1-6321-000	641 - 2
FF1-6322-030	641 - 3
FF1-6323-000	370 - 7
FF1-6324-000	352 - 20
FF1-6324-030	352A- 20
FF1-6325-000	710 - 4
FF1-6326-000	384 - 6
FF1-6327-000	810 - 15
FF1-6328-000	710 - 5
FF1-6329-000	100 - 15
FF1-6330-000	100 - 15
FF1-6331-000	100 - 15
FF1-6334-000	510 - 7
FF1-6335-000	328 - 2
FF1-6336-000	710 - 43
FF1-6337-000	810 - 97
FF1-6338-000	810 - 97
FF1-6340-000	980 - 1
FF1-6341-040	810 - 99
FF1-6342-000	103 - 98
FF1-6343-000	384 - 12
FF1-6344-000	322 - 15
FF1-6345-000	641 - 7
FF1-6347-000	641 - 8
FF1-6348-000	710 - 22
FF1-6349-000	770 - 1
FF1-6350-000	103 - 19
FF1-6351-030	101 - 2
FF1-6352-000	550 - 12
FF1-6353-000	384 - 37
FF1-6356-000	130 - 2
FF1-6357-000	328 - 1
FF1-6358-000	560 - 1G
FF1-6359-000	810 - 29
FF1-6360-000	810 - 30
FF1-6364-000	400 - 16
FF1-6680-000	303 - 10
FF1-6681-000	304 - 11
FF1-6682-000	303 - 11
	304 - 12
FF1-6845-020	300 - 4
	302 - 4
	304 - 2
FF1-7110-060	931 -Q122
FF1-7110-080	930 -Q122
FF1-7111-070	931 -Q117
FF1-7111-080	930 -Q117
FF1-7112-020	915 -Q713
FF1-7113-020	915 -Q713
FF1-7114-050	915 -Q713
FF1-7115-020	915 -Q713
FF1-7915-020	300 - 2
	301 - 2
	302 - 2
FF1-7916-020	302 - 2
FF9-0581-030	320 - 43
	321 - 57
	322 - 53
FF9-0698-000	810 -106
FF9-0703-000	350 - 16
FF9-0755-000	102 - 7
FF9-0756-000	101 - 6
FF9-0757-000	101 - 7
FF9-0758-000	101 - 48
FF9-0793-000	101 - 13
FF9-0826-000	810 -106
FF9-0989-000	710 - 20
FG0-0340-000	960 -
FG1-3472-000	265 -
	710 - 6
FG1-4680-000	321 - 39
	322 - 43
FG1-5105-070	550 -
FG1-5112-000	640 -
FG1-5114-050	560 - 1
FG1-5115-080	560 -
FG1-5118-000	270 -
FG1-5119-000	620 -
FG1-5121-000	710 -
FG1-5123-220	320 -
	321 -
	322 -
	323 -
FG1-5124-000	321 - 4
	322 - 2
FG1-5127-030	328 -
FG1-5128-000	260 -
FG1-5131-060	570 -
FG1-5132-000	350 -
FG1-5135-000	192 -
FG1-5136-090	810 -
FG1-5137-090	810 -
FG1-5138-090	810 -
FG1-5139-090	810 -
FG1-5140-160	381 -
FG1-5141-000	280 -
FG1-5142-060	370 -
FG1-5143-000	386 -
FG1-5144-000	264 -
FG1-5151-000	351A-
FG1-5152-000	352A-
FG1-5153-000	384 -
FG1-5157-150	382 -
FG1-5158-060	371 -
FG1-5165-000	620 -
FG1-5167-090	160 -
FG1-5181-110	930 -
FG1-5182-110	931 -
FG1-5185-000	640 - 3
	970 -
FG1-5188-000	121 - 1
FG1-5189-000	510 - 19
	941 -
FG1-5190-000	510 - 19
	941 -
FG1-5199-020	915 -
FG1-5200-020	915 -
FG1-5201-020	915 -
FG1-5202-020	915 -
FG1-5203-020	915 -
FG1-5204-040	940 -
FG1-5206-000	915 -
FG1-5207-000	915 -
FG1-5208-000	915 -
FG1-5209-000	915 -
FG1-5210-000	915 -
FG1-5211-020	915 -
FG1-5212-000	915 -
FG1-5213-000	965 -
FG1-5218-000	327 -
FG1-5220-000	915 -
FG1-5221-000	915 -
FG1-5222-000	915 -
FG1-5223-000	915 -
FG1-5224-000	915 -
FG1-5225-020	915 -
FG1-5226-000	915 -
FG1-5229-000	810 -
FG9-1836-060	915 - 2
FG9-1837-060	915 - 2

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FG9-1838-060	915 - 2
FG9-1839-060	915 - 2
FG9-1841-000	386 - 6
FG9-1842-000	210 - 33
FG9-2028-000	102 - 10
FG9-2032-000	103 - 5
FG9-2175-000	980 -
FG9-2176-000	980 -
FG9-2185-000	641 - 6
FG9-2186-000	641 - 6
FG9-2187-000	641 - 6
FG9-2188-000	641 - 6
FG9-2266-000	810 - 23
FG9-2284-000	102 - 73
FG9-2546-000	381 -
FG9-2547-000	382 -
FH2-5006-000	110 - 15
FH2-5043-000	112 - 10
FH2-5045-000	111 - 3
FH2-5087-000	110 - 3
FH2-5157-000	101 - 45
FH2-5158-000	810 - 98
FH2-5205-000	641 - 32
FH2-5206-000	641 - 33
FH2-5216-000	400 - 22
FH2-5217-000	641 - 34
FH2-5218-000	102 - 80
FH2-9025-000	102 - 47
FH2-9026-000	102 - 63
FH2-9027-020	350 - 17
FH2-9028-000	103 - 95
FH2-9029-000	102 - 74
FH2-9033-000	102 - 78
FH3-0164-000	940 -T 1
FH3-0166-000	980 -T 2
	980 -T 3
	980 -T 4
FH3-0233-000	980 -T 5
FH3-0235-000	980 -T 1
FH3-0243-000	980 -T 6
FH3-2044-000	102 - 71
FH3-2065-000	102 - 48
FH3-2066-000	102 - 48
FH3-2067-030	102 - 48
FH3-2068-000	101 - 23
FH3-2104-000	102 - 71
FH3-2112-000	102 - 48
FH3-2113-000	102 - 71
FH3-2201-000	102 - 71
FH3-7019-000	101 - 19
FH3-7021-020	101 - 19
FH3-7022-000	101 - 19
FH3-7030-000	101 - 19
FH3-7042-000	101 - 19
FH4-0098-000	930 -Q101
	930 -Q105
	931 -Q101
	931 -Q105
FH4-0103-000	930 -Q126
	931 -Q126
FH4-0104-000	930 -Q120
	931 -Q120
FH4-5060-000	980 -Q 9
FH4-5075-000	980 -Q 10
FH4-5076-020	930 -Q134
	931 -Q134
FH4-5081-020	101 - 28
FH4-5082-000	101 - 28
FH4-5097-000	930 -Q301
	931 -Q301
FH4-5098-000	930 -Q302
	931 -Q302
FH4-9050-000	930 -DA102
	930 -DA103
	930 -DA106
	931 -DA102
	931 -DA103
	931 -DA106
FH4-9051-000	930 -DA101
	930 -DA104
	930 -DA105
	931 -DA101
	931 -DA104
	931 -DA105
FH4-9055-000	980 -R 48
FH4-9056-000	980 -R 56
FH4-9057-000	980 -R 67
FH4-9059-000	930 -RA108
	930 -RA109
	930 -RA116
	930 -RA117
	931 -RA108
	931 -RA109
FH4-9059-000	931 -RA116
	931 -RA117
FH6-0076-030	915 - 1
FH6-0077-030	915 - 1
FH6-0078-030	915 - 1
FH6-0079-040	915 - 1
FH6-0080-030	915 - 1
FH6-0081-030	915 - 1
FH6-0082-030	915 - 1
FH6-0083-030	915 - 1
FH6-0084-030	915 - 1
FH6-0085-030	915 - 1
FH6-0096-030	915 - 1
FH6-0097-030	915 - 1
FH6-0117-030	915 - 1
FH6-0118-020	915 - 1
FH6-0119-020	915 - 1
FH6-0120-000	915 - 1
FH6-0121-020	915 - 1
FH6-3042-000	102 - 49
FH6-3043-000	915 -F1P702
FH7-1281-000	102 - 45
FH7-1385-000	251 - 2
FH7-1386-000	102 - 32
FH7-1387-000	384 - 59
FH7-1388-000	620 - 13
FH7-1390-000	101 - 17
FH7-1391-000	350 - 18
FH7-1392-000	192 - 2
FH7-1393-000	620 - 13
FH7-3069-000	103 - 49
FH7-3075-000	400 - 23
FH7-3076-000	400 - 23
FH7-3077-000	400 - 23
FH7-3078-030	103 - 42
FH7-4180-000	810 - 96
FH7-4181-000	810 - 96
FH7-4182-000	810 - 96
FH7-4183-000	810 - 98
FH7-4184-000	810 -102
FH7-4185-000	810 -102
FH7-4186-000	510 - 13
FH7-4187-000	510 - 13
FH7-4188-020	510 - 13
FH7-4216-000	810 - 96
FH7-4217-000	810 -102
FH7-5030-030	102 - 37
	275 - 5
	321 - 24
	322 - 30
FH7-5082-000	321 - 25
	322 - 31
FH7-5087-000	103 - 97
	384 - 60
FH7-5088-000	370 - 45
FH7-5089-000	384 - 61
FH7-5090-000	323 - 8
FH7-5098-000	290 - 4
	291 - 10
FH7-5104-000	810 - 76
FH7-5119-000	386 - 6C
FH7-5123-000	291 - 9
FH7-5126-000	320 - 31
	323 - 7
FH7-5133-000	352 - 15
	352A- 15
FH7-7076-000	810 - 77
FH7-7078-000	620 - 1
FH7-7079-000	510 - 12
FH7-7080-000	381 - 49
	382 - 10
	384 - 62
FH7-7081-000	102 - 34
	103 - 78
	210 - 17
	321 - 4C
	321 - 45
	322 - 2C
	370 - 46
	381 - 39
	384 - 63
FH7-8008-000	940 - 4
FH7-9040-000	110 - 4
	111 - 4
FH7-9148-000	112 - 5
FH9-0116-000	941 -R601
	941 -R602
FH9-0117-000	930 -R129
	930 -R130
	930 -R131
	930 -R132
	930 -R133
	930 -R134
FH9-0117-000	930 -R135
	930 -R136
	930 -R137
	930 -R138
	930 -R139
	930 -R140
	930 -R220
	930 -R221
	930 -R222
	930 -R223
	930 -R224
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	930 -R227
	930 -R228
	930 -R229
	930 -R230
	930 -R231
	931 -R129
	931 -R130
	931 -R131
	931 -R132
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	931 -R135
	931 -R136
	931 -R137
	931 -R138
	931 -R139
	931 -R140
	931 -R220
	931 -R221
	931 -R222
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	931 -R225
	931 -R226
	931 -R227
	931 -R228
	931 -R229
	931 -R230
	931 -R231
FN1-4137-000	400 - 24
FN1-4138-000	401 - 7
FN1-4139-000	401 - 8
FN1-4140-000	402 - 11
FN1-4141-000	402 - 12
FN1-4142-000	402 - 13
FS1-0701-000	290 - 5
	291 - 11
	323 - 9
	384 - 64
FS1-1116-000	384 - 65
FS1-1119-000	370 - 47
	371 - 21
FS1-1156-000	321 - 26
	322 - 32
FS1-1189-000	384 -104
FS1-1202-000	103 - 50
	130 - 10
	291 - 12
	620 - 14
	710 - 30
FS1-1205-000	103 - 51
	291 - 13
	320 - 32
	321 - 27
	322 - 33
	710 - 31
FS1-1213-000	320 - 41
	321 - 42
	322 - 51
FS1-1219-000	210 - 18
FS1-1347-000	810 - 78
FS1-1348-000	810 - 79
FS1-1449-000	320 - 45
	321 - 2
	322 - 58
FS1-1450-000	320 - 33
	321 - 28
	322 - 34
FS1-1459-000	641 - 15
FS1-1462-000	103 - 52
	351 - 15
	351A- 15
	370 - 48
	371 - 20
	381 - 40
	382 - 40
	384 - 66
FS1-1465-000	321 - 43
	322 - 46
FS1-1498-000	264 - 3
FS1-1499-000	352 - 16
	352A- 16
FS1-1500-000	103 - 53
	384 - 67
FS1-1501-000	620 - 15
	640 - 19
	641 - 28
FS1-1502-000	640 - 20
FS1-1503-000	620 - 16
FS1-1504-000	384 - 68
FS1-1505-000	103 - 54
FS1-1507-000	384 - 69
FS1-1508-000	320 - 34
	321 - 29
	322 - 50
FS1-1509-000	320 - 2
	321 - 40
	322 - 44
FS1-1510-000	320 - 1
	321 - 41
	322 - 45
FS1-1511-000	101 - 27
	102 - 51
	350 - 26
FS1-1512-000	351 - 14
	351A- 14
FS1-2119-000	303 - 6
	304 - 7
FS1-2345-000	102 - 40
FS1-2370-000	370 - 49
	371 - 9
FS1-2464-000	323 - 10
FS1-2515-000	810 - 80
FS1-2597-000	321 - 30
FS1-2651-000	290 - 6
FS1-2708-000	384 - 71
FS1-2751-000	810 - 81
FS1-3201-000	351 - 16
	351A- 16
FS1-3202-000	386 - 7
FS1-3203-000	295 - 2
	384 - 72
FS1-3204-000	251 - 4
FS1-3205-020	251 - 3
FS1-3206-000	280 - 6
FS1-3207-000	102 - 52
FS1-3208-000	250 - 5
FS1-6001-000	210 - 19
FS1-6008-000	210 - 20
FS1-6052-000	640 - 21
FS1-6193-000	260 - 4
FS1-6211-000	351 - 17
FS1-6213-000	355 - 5
FS1-6214-000	102 - 59
FS1-6215-000	102 - 42
	102 - 60
FS1-6216-000	710 - 32
FS1-6218-000	370 - 50
	371 - 10
FS1-6220-000	351 - 21
FS1-6220-020	351A- 21
FS1-6222-000	640 - 22
FS1-6223-000	641 - 30
FS1-6224-000	641 - 31
FS1-6225-000	510 - 20
FS1-8005-000	400 - 25
FS1-8389-000	103 - 93
FS1-8390-000	103 - 93
FS1-8802-000	100 - 38
FS1-9002-000	120 - 6
	350 - 19
	384 - 73
FS1-9003-000	100 - 33
	103 - 87
FS1-9004-000	210 - 21
	370 - 51
	381 - 41
	382 - 41
FS1-9005-000	210 - 22
	275 - 6
FS1-9006-000	102 - 64
	103 - 87
FS1-9007-000	210 - 23
	210 - 40
FS1-9009-000	350 - 20
FS1-9010-000	641 - 1
FS1-9051-000	321 - 31
	322 - 35
	710 - 33
FS1-9053-000	102 - 82
FS1-9073-000	710 - 34
FS1-9076-000	810 - 82
FS1-9164-020	320 - 42

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FS1-9164-020	321 - 44
	322 - 3
FS1-9169-000	770 - 5
FS1-9193-000	210 - 24
FS1-9194-000	130 - 11
FS1-9195-000	384 - 74
FS1-9196-000	384 - 75
FS1-9197-000	384 - 76
FS1-9198-000	355 - 3
FS1-9199-000	327 - 4
FS2-0055-000	270 - 2
	291 - 14
FS2-0079-000	270 - 3
FS2-0087-020	265 - 2
FS2-0088-000	265 - 6
FS2-0089-000	265 - 7
FS2-0090-000	265 - 8
FS2-0091-000	265 - 21
FS2-0439-000	320 - 35
	321 - 32
	322 - 36
FS2-0440-000	320 - 36
	321 - 33
	322 - 37
FS2-0441-000	291 - 15
FS2-0442-000	320 - 37
	321 - 34
	322 - 47
FS2-0443-000	321 - 35
	322 - 48
FS2-0444-000	320 - 40
	321 - 36
	322 - 49
FS2-0455-000	323 - 11
FS2-0457-000	323 - 12
FS2-0458-000	323 - 13
FS2-0459-030	323 - 14
FS2-0462-000	640 - 23
FS2-0518-000	386 - 8
FS2-0519-000	264 - 4
FS2-0520-000	264 - 5
FS2-0521-000	264 - 6
FS2-0522-020	640 - 24
FS2-0523-000	640 - 25
FS2-0524-000	640 - 26
FS2-0525-000	640 - 27
FS2-0526-000	640 - 28
FS2-0527-000	640 - 29
FS2-0528-000	640 - 30
FS2-0529-020	640 - 31
FS2-0530-020	640 - 32
FS2-0531-000	640 - 33
FS2-0532-000	620 - 17
FS2-0534-000	270 - 4
FS2-0536-000	260 - 5
FS2-0537-000	260 - 6
	323 - 15
FS2-0538-000	260 - 7
FS2-0539-000	320 - 38
FS2-0541-000	323 - 16
FS2-0542-000	323 - 17
FS2-0543-000	320 - 39
FS2-0544-000	320 - 26
	321 - 37
	322 - 38
FS2-0545-000	320 - 28
	321 - 23
	322 - 52
FS2-0546-000	320 - 30
FS2-0547-000	322 - 39
FS2-0548-000	320 - 19
FS2-0549-000	384 - 77
FS2-0550-000	384 - 78
	620 - 19
FS2-0551-000	384 - 79
FS2-0552-000	384 - 80
FS2-0553-000	384 - 81
FS2-0554-000	384 - 82
FS2-0555-000	384 - 83
FS2-0556-000	384 - 84
FS2-0557-000	384 - 85
FS2-0558-000	384 - 86
FS2-0559-000	103 - 56
FS2-0564-000	710 - 35
FS2-0565-000	710 - 36
FS2-0566-000	710 - 37
FS2-0567-020	710 - 38
FS2-0569-000	640 - 34
FS2-0570-000	810 - 83
FS2-0571-000	810 - 84
FS2-0572-000	810 - 85
FS2-0573-000	810 - 86
FS2-0574-000	810 - 87
FS2-0575-000	264 - 7
	370 - 52
	371 - 7
FS2-0576-000	381 - 43
	382 - 39
FS2-0577-000	280 - 7
FS2-0578-000	280 - 8
FS2-0579-000	250 - 6
FS2-0620-000	641 - 4
FS2-0621-000	641 - 9
FS2-0623-000	641 - 11
FS2-0624-000	641 - 12
FS2-0626-000	381 - 42
	382 - 42
FS2-0627-000	620 - 18
FS2-2001-000	265 - 3
	560 - 4
FS2-2002-000	265 - 14
FS2-2020-000	810 - 88
FS2-2036-000	510 - 17
FS2-2058-000	265 - 22
FS2-2307-000	320 - 18
	321 - 51
	322 - 40
FS2-2316-000	321 - 38
	322 - 41
FS2-2343-000	321 - 50
	322 - 42
FS2-2412-000	291 - 16
FS2-2413-000	384 - 87
FS2-2416-000	370 - 53
FS2-2417-000	264 - 8
FS2-2418-000	120 - 7
FS2-2419-020	120 - 8
FS2-2420-000	350 - 21
FS2-2421-000	350 - 22
FS2-2422-000	810 - 89
FS2-2423-000	810 - 90
FS2-2424-000	810 - 91
FS2-2428-000	381 - 44
	382 - 35
FS2-2429-000	381 - 45
	382 - 31
FS2-2433-000	710 - 40
FS2-2434-000	710 - 41
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FY1-0547-000	810 - 30
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VC5-8480-103	980 -C 36
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VR1-1141-203	980 -R 21
VR1-1141-221	980 -R 4
VR1-1141-223	915 -R709
VR1-1141-225	980 -R 62
VR1-1141-229	980 -R 31
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VR1-1141-272	915 -R703
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VR1-1141-322	980 -R 26
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VR1-1141-562	915 -R707
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VR1-1141-680	941 -R606
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VR1-2141-334	940 -R62
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VR1-2201-103	965 -R981
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VR5-0041-003	980 -R 8
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VR5-0041-004	930 -R164
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VR5-0041-272	941 -R603
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VR5-0041-332	980 -R 19
VR5-0041-333	980 -R 57
VR5-0041-501	980 -R 40
VR5-0041-873	980 -R 70
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VR5-0042-002	980 -R 76
VR5-0042-263	980 -R 7
VR5-0043-011	980 -R 39
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VR5-0045-363	930 -R161
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VR5-0048-872	980 -R 82
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VR5-1930-103	915 -RA703
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VR5-1930-104	915 -RA711
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VR5-1930-223	915 -RA704
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VR5-1930-472	930 -RA110
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VR5-1980-102	915 -RA701
VR5-1980-103	915 -RA713
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VR5-1980-104	915 -RA705
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VR5-1980-223	915 -RA707
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VR5-1980-472	930 -RA105
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VR5-2290-101	930 -R124
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VR5-2290-103	930 -R113
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PART NUMBER	FIGURE & KEY NO.
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VR5-2290-104	930 -R111
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VR5-2290-105	930 -R109
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VR5-2290-122	960 -R673
VR5-2290-124	930 -R107
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VR5-2290-154	970 -R910
VR5-2290-183	960 -R676
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VR5-2290-203	930 -R169
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VR5-2290-220	930 -R341
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VR5-2290-221	930 -R346
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VR5-2290-222	930 -R102
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	931 -R279
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VR5-2290-223	930 -R147
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VR5-2290-223	930 -R195
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VR5-2290-223	931 -R313
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VR5-2290-224	930 -R108
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VR5-2290-273	960 -R670
VR5-2290-331	930 -R358
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VR5-2290-332	930 -R112
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VR5-2290-472	930 -R116
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VR5-2290-472	931 -R309
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	931 -R312
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VR5-2290-473	930 -R178
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	931 -R356
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VR5-2290-474	960 -R669
VR5-2290-562	930 -R232
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VR5-2290-563	960 -R659
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VR5-2290-681	930 -R357
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VR5-2290-682	930 -R101
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VR5-2290-683	970 -R901
VR5-2290-823	980 -R 85
VR5-2301-002	930 -R155
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VR5-2301-003	930 -R154
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VR5-2301-072	930 -R128
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VR5-2301-132	930 -R123
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VR5-2301-372	930 -R127
	931 -R127
VR5-2301-402	960 -R663
	960 -R664
VR5-2302-003	930 -R180
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VR5-2302-212	980 -R 24
VR5-2302-321	930 -R142
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VR5-2302-802	930 -R122
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VR5-2303-163	930 -R166
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	931 -R166
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VR5-2305-602	960 -R665
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VR5-2306-651	930 -R115
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VR5-2307-152	930 -R156
	931 -R156
VR5-2308-251	930 -R141
	931 -R141
VR5-2309-312	930 -R153
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VR5-2311-001	930 -R105
	931 -R105

PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.
VR5-2311-543	930 -R158	VS1-0025-012	915 -J703	WA1-0178-000	980 -D 27	WA1-0625-000	931 -D128
	931 -R158	VS1-0034-007	931 -CP101	WA1-0191-000	940 -ZD4		931 -D129
VR5-2311-622	930 -R157	VS1-0035-005	941 -J602	WA1-0193-000	940 -ZD8		931 -D130
	931 -R157	VS1-0066-003	810 - 69	WA1-0286-000	930 -ZD101		931 -D131
VR5-2312-741	930 -R106	VS1-0129-003	941 -J601		930 -ZD102		931 -D132
	931 -R106	VS1-0192-002	321 - 52		931 -ZD101		931 -D133
VR5-2313-161	930 -R198		322 - 55		931 -ZD102		931 -D134
	931 -R198	VS1-0192-003	103 - 75	WA1-0290-000	940 -ZD5		931 -D135
VR5-2313-472	930 -R117		210 - 28	WA1-0291-000	970 -D903		931 -D136
	931 -R117		321 - 53		970 -D906		931 -D137
VR5-2316-800	930 -R197		323 - 21		970 -D907		931 -D140
	931 -R197	VS1-0192-005	210 - 29		970 -D908		931 -D141
VR5-2316-982	930 -R118	VS1-0192-006	323 - 19	WA1-0301-000	980 -D 2		931 -D142
	931 -R118	VS1-0192-008	210 - 30	WA1-0302-000	980 -D 3		931 -D143
VR5-2410-109	980 -R 6	VS1-0341-004	940 -J 1		980 -D 7		931 -D144
VR5-2410-220	980 -R 69	VS1-0341-005	940 -J 2		980 -D 8		931 -D145
VR5-2511-004	980 -R 34	VS1-0341-006	940 -J 4		980 -D 10		931 -D146
	980 -R 35	VS1-0379-018	930 -J111		980 -D 11		931 -D149
VR5-2540-503	980 -VR 1		931 -J111		980 -D 13		931 -D150
VR5-2940-105	940 -VR1	VS1-0379-020	930 -J110		980 -D 14		931 -D151
VR5-2940-204	940 -VR2		931 -J110		980 -D 17		931 -D152
VR5-4420-200	980 -R 5	VS1-0379-024	930 -J102		980 -D 18		931 -D153
VR5-5350-103	970 -VR 1		930 -J104		980 -D 19		931 -D154
	970 -VR 2		930 -J109	WA1-0396-000	940 -D 7		931 -D155
	970 -VR 3		930 -J114		940 -D 8		960 -D651
VR9-2324-000	930 -JP102		931 -J102		980 -D 22		960 -D652
	931 -JP102		931 -J104	WA1-0426-000	930 -D201		960 -D653
VR9-2807-000	940 -R65		931 -J109		930 -D202		960 -D654
	940 -R66		931 -J114		930 -D203		960 -D655
	940 -R67	VS1-0379-026	930 -J105		931 -D201		960 -D656
VR9-3124-000	940 -R30		931 -J105		931 -D202		960 -D657
	940 -R32	VS1-0379-028	930 -J108		931 -D203		965 -D981
VR9-3126-000	940 -R 4		931 -J108	WA1-0516-000	930 -D104		965 -D982
	940 -R27	VS1-0379-030	930 -J101		930 -D105		965 -D983
	940 -R36		930 -J112		931 -D104		965 -D984
	940 -R53		931 -J101		931 -D105		965 -D985
	940 -R57		931 -J112	WA1-0522-000	980 -D 12	WA2-0095-000	915 -Q703
VR9-3127-000	940 -R 5	VS1-0379-034	930 -J113	WA1-0625-000	930 -D102		915 -Q704
	940 -R 6		931 -J113		930 -D113	WA2-0124-000	915 -Q701
	940 -R 7	VS1-0437-003	970 -J903		930 -D114		930 -Q141
	940 -R25	VS1-0437-005	930 -J116		930 -D115		930 -Q142
	940 -R26		931 -J116		930 -D116		930 -Q143
	940 -R28	VS1-0437-010	930 -JXX		930 -D117		930 -Q144
	940 -R39		931 -JXX		930 -D118		930 -Q145
	940 -R50	VS1-0437-012	915 -J701		930 -D119		930 -Q146
	940 -R51		930 -JX		930 -D120		930 -Q150
	940 -R52		931 -JX		930 -D121		930 -Q156
	940 -R74	VS1-0437-014	930 -J107		930 -D122		931 -Q141
	940 -R75		931 -J107		930 -D123		931 -Q142
VR9-3128-000	940 -R 8	VS1-0440-008	641 - 35		930 -D124		931 -Q143
	940 -R19	VS1-0440-014	323 - 20		930 -D125		931 -Q144
VR9-3129-000	940 -R24	VS1-0441-018	210 - 31		930 -D126		931 -Q145
	940 -R37	VS1-0441-028	321 - 54		930 -D127		931 -Q146
	940 -R44	VS1-0594-020	915 -J702		930 -D128		931 -Q150
	940 -R45	VS3-0034-007	930 -CP101		930 -D129		931 -Q156
VR9-3129-100	940 -R49	VS3-0046-002	101 - 29		930 -D130		940 -Q 4
VR9-3130-000	940 -R21	VS3-0046-003	510 - 8		930 -D131		940 -Q 5
	940 -R22	VS3-0074-000	384 - 93		930 -D132		940 -Q13
	940 -R38	VS4-0001-002	102 - 76		930 -D133		940 -Q14
VR9-3131-000	940 -R12	VS4-0001-009	381 - 35		930 -D134		940 -Q15
	940 -R14	VS4-0002-002	620 - 21		930 -D135		960 -Q653
	940 -R17	VS4-0002-009	384 - 54		930 -D136		960 -Q654
	940 -R35	VS4-0003-002	101 - 37		930 -D137		960 -Q656
	940 -R40	VS4-0003-003	103 - 76		930 -D140		960 -Q658
	940 -R55		386 - 6A		930 -D141		970 -Q903
	940 -R56	VS4-0003-004	352 - 11		930 -D142		980 -Q 4
	940 -R59		352A- 11		930 -D143		980 -Q 12
	940 -R60	VS4-0003-008	370 - 39		930 -D144	WA2-0135-000	930 -Q178
VR9-3132-000	940 -R11	VT2-0001-003	101 - 20		930 -D145		930 -Q196
	940 -R13		102 - 54		930 -D146		931 -Q178
	940 -R15	VT2-0001-004	121 - 4		930 -D149		931 -Q196
	940 -R16	WA1-0074-000	970 -ZD1		930 -D150		940 -Q12
	940 -R18		970 -ZD2		930 -D151		960 -Q655
	940 -R20	WA1-0082-000	940 -ZD2		930 -D152		960 -Q657
	940 -R43	WA1-0083-000	940 -ZD3		930 -D153	WA2-0186-000	940 -Q11
VR9-3133-000	940 -R23	WA1-0088-000	930 -ZD103		930 -D154	WA2-0232-000	940 -Q10
VR9-3134-000	940 -R29		931 -ZD103		930 -D155		940 -Q16
VR9-3135-000	940 -R 9		940 -ZD1		931 -D102		980 -Q 6
	940 -R41	WA1-0122-000	980 -ZD 1		931 -D113		980 -Q 7
VR9-3136-000	940 -R54		980 -ZD 2		931 -D114		980 -Q 8
	940 -R58	WA1-0130-000	940 -ZD6		931 -D115		980 -Q 11
VR9-3137-000	940 -R 1		940 -ZD7		931 -D116	WA2-0307-000	915 -Q718
VR9-3138-000	940 -R 2	WA1-0178-000	940 -D 6		931 -D117		915 -Q720
VR9-3139-000	940 -R31		980 -D 1		931 -D118		915 -Q721
	940 -R33		980 -D 4		931 -D119		930 -Q119
VR9-3140-000	940 -R42		980 -D 5		931 -D120		930 -Q135
VR9-3143-000	940 -R76		980 -D 6		931 -D121		930 -Q136
VR9-3234-000	940 -R68		980 -D 9		931 -D122		931 -Q119
VS1-0020-003	940 -J 3		980 -D 20		931 -D123		931 -Q135
VS1-0025-007	930 -J106		980 -D 23		931 -D124		931 -Q136
	931 -J106		980 -D 24		931 -D125	WA2-0317-000	930 -Q147
VS1-0025-008	930 -J103		980 -D 25		931 -D126		931 -Q147
	931 -J103		980 -D 26		931 -D127	WA2-0354-000	930 -Q185

PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.
WA2-0354-000	930 -Q186	WA2-0808-000	930 -Q182	WA2-0834-000	930 -Q267	WA2-0863-000	931 -Q149
	930 -Q197		930 -Q183		930 -Q268		931 -Q151
	931 -Q185		930 -Q184		930 -Q269		931 -Q152
	931 -Q186		930 -Q198		930 -Q270		931 -Q153
	931 -Q197		930 -Q199		930 -Q271		931 -Q154
WA2-0387-000	915 -Q705		930 -Q200		930 -Q272	WA2-0957-000	980 -Q 3
	915 -Q707		930 -Q201		930 -Q278		980 -Q 5
WA2-0487-000	940 -Q 7		930 -Q202		930 -Q279	WA3-1146-000	915 -Q715
WA2-0488-000	940 -Q 6		930 -Q203		930 -Q280		930 -Q121
WA2-0770-000	980 -Q 2		930 -Q204		930 -Q281		931 -Q121
WA2-0772-000	930 -Q138		930 -Q205		930 -Q285	WA3-1147-000	930 -Q110
	930 -Q139		930 -Q206		930 -Q293		931 -Q110
	930 -Q173		930 -Q207		930 -Q294	WA3-1888-000	930 -Q115
	930 -Q194		930 -Q208		931 -Q251		930 -Q129
	930 -Q231		930 -Q209		931 -Q254		931 -Q115
	930 -Q232		930 -Q210		931 -Q256		931 -Q129
	931 -Q138		930 -Q211		931 -Q266	WA3-1982-000	915 -Q702
	931 -Q139		930 -Q212		931 -Q267	WA3-1983-000	930 -Q127
	931 -Q173		930 -Q213		931 -Q268		931 -Q127
	931 -Q194		930 -Q214		931 -Q269	WA3-1984-000	915 -Q709
	931 -Q231		930 -Q215		931 -Q270		930 -Q125
	931 -Q232		930 -Q216		931 -Q271		930 -Q132
	965 -Q981		930 -Q217		931 -Q272		931 -Q125
	965 -Q982		930 -Q218		931 -Q278		931 -Q132
	965 -Q983		930 -Q219		931 -Q279	WA3-1985-000	930 -Q124
	965 -Q984		930 -Q220		931 -Q280		931 -Q124
	965 -Q985		930 -Q221		931 -Q281	WA3-1986-000	930 -Q116
	965 -Q986		930 -Q222		931 -Q285		931 -Q116
	965 -Q987		930 -Q223		931 -Q293	WA3-1987-000	930 -Q128
WA2-0774-000	930 -Q195		930 -Q224		931 -Q294		931 -Q128
	931 -Q195		930 -Q225	WA2-0835-000	930 -Q252	WA3-1988-000	930 -Q123
WA2-0775-000	930 -Q140		930 -Q226		930 -Q253		931 -Q123
	930 -Q157		930 -Q227		930 -Q255	WA3-2049-000	915 -Q708
	930 -Q158		930 -Q228		930 -Q257		915 -Q719
	930 -Q159		930 -Q229		930 -Q258		930 -Q118
	930 -Q160		930 -Q234		930 -Q259		931 -Q118
	930 -Q161		931 -Q155		930 -Q260	WA3-2100-000	915 -Q712
	930 -Q162		931 -Q169		930 -Q261	WA3-2101-000	915 -Q706
	930 -Q163		931 -Q170		930 -Q262		915 -Q710
	930 -Q164		931 -Q171		930 -Q263	WA3-3923-000	930 -Q110
	930 -Q165		931 -Q172		930 -Q264	WA4-0049-000	960 -Q652
	930 -Q166		931 -Q179		930 -Q265	WA4-0150-000	930 -Q103
	930 -Q167		931 -Q180		930 -Q273		931 -Q103
	930 -Q168		931 -Q181		930 -Q274	WA4-0194-000	930 -Q102
	930 -Q174		931 -Q182		930 -Q275		931 -Q102
	930 -Q175		931 -Q183		930 -Q276	WA4-0225-000	930 -Q104
	930 -Q176		931 -Q184		930 -Q277		930 -Q106
	930 -Q177		931 -Q198		930 -Q282		930 -Q107
	930 -Q187		931 -Q199		930 -Q283		930 -Q108
	930 -Q188		931 -Q200		930 -Q286		930 -Q109
	930 -Q189		931 -Q201		930 -Q287		931 -Q104
	930 -Q190		931 -Q202		930 -Q288		931 -Q106
	930 -Q191		931 -Q203		930 -Q292		931 -Q107
	930 -Q192		931 -Q204		931 -Q252		931 -Q108
	930 -Q193		931 -Q205		931 -Q253		931 -Q109
	930 -Q230		931 -Q206		931 -Q255		940 -Q 1
	930 -Q233		931 -Q207		931 -Q257		940 -Q 2
	931 -Q140		931 -Q208		931 -Q258		940 -Q 3
	931 -Q157		931 -Q209		931 -Q259	WA4-0367-000	970 -Q901
	931 -Q158		931 -Q210		931 -Q260		970 -Q902
	931 -Q159		931 -Q211		931 -Q261	WA4-0574-000	941 -Q601
	931 -Q160		931 -Q212		931 -Q262	WA4-0587-000	930 -Q111
	931 -Q161		931 -Q213		931 -Q263		930 -Q112
	931 -Q162		931 -Q214		931 -Q264		930 -Q113
	931 -Q163		931 -Q215		931 -Q265		930 -Q114
	931 -Q164		931 -Q216		931 -Q273		931 -Q111
	931 -Q165		931 -Q217		931 -Q274		931 -Q112
	931 -Q166		931 -Q218		931 -Q275		931 -Q113
	931 -Q167		931 -Q219		931 -Q276		931 -Q114
	931 -Q168		931 -Q220		931 -Q277	WA5-0078-000	941 -Q602
	931 -Q174		931 -Q221		931 -Q282	WA6-0029-000	915 -Q711
	931 -Q175		931 -Q222		931 -Q283		915 -Q714
	931 -Q176		931 -Q223		931 -Q286		915 -Q716
	931 -Q177		931 -Q224		931 -Q287		915 -Q717
	931 -Q187		931 -Q225		931 -Q288	WA8-0036-000	941 -D603
	931 -Q188		931 -Q226		931 -Q292	WA8-0071-000	980 -D 16
	931 -Q189		931 -Q227	WA2-0836-000	915 -Q722	WA8-0100-000	980 -D 28
	931 -Q190		931 -Q228		915 -Q723	WA9-0106-000	915 -Q713
	931 -Q191		931 -Q229		915 -Q724	WC1-0123-000	101 - 44
	931 -Q192		931 -Q234		915 -Q725	WC2-0063-000	120 - 10
	931 -Q193	WA2-0831-000	980 -Q 1		915 -Q726	WC2-0089-000	121 -SW951
	931 -Q230	WA2-0833-000	930 -Q284		915 -Q727	WC2-0090-000	121 -SW952
	931 -Q233		930 -Q289		915 -Q728	WC3-0039-000	980 -SW 1
WA2-0796-000	930 -Q137		930 -Q290		915 -Q729	WC8-0034-000	321 - 39B
	931 -Q137		930 -Q291		915 -Q730		322 - 43B
WA2-0808-000	930 -Q155		931 -Q284		915 -Q731	WC8-0073-000	930 -SW101
	930 -Q169		931 -Q289	WA2-0863-000	930 -Q148		931 -SW101
	930 -Q170		931 -Q290		930 -Q149	WD1-0190-000	930 -F101
	930 -Q171		931 -Q291		930 -Q151		931 -F101
	930 -Q172	WA2-0834-000	930 -Q251		930 -Q152	WD3-0104-000	110 - 5
	930 -Q179		930 -Q254		930 -Q153		111 - 5
	930 -Q180		930 -Q256		930 -Q154	WD3-0113-000	112 - 6
	930 -Q181		930 -Q266		931 -Q148	WE2-0208-000	930 -L101

PART NUMBER	FIGURE & KEY NO.
WE2-0208-000	930 -L102
	930 -L103
	930 -L104
	930 -L105
	930 -L106
	931 -L101
	931 -L102
	931 -L103
	931 -L104
	931 -L105
	931 -L106
	970 -L901
	970 -L902
WE2-0253-000	930 -FC101
	930 -FC102
	930 -FC103
	930 -FC104
	930 -FC105
	931 -FC101
	931 -FC102
	931 -FC103
	931 -FC104
	931 -FC105
WG1-0157-000	940 -LED1
WG1-0201-000	980 -LED1
WG1-0305-000	121 -LED951
	121 -LED952
	121 -LED953
	121 -LED954
	121 -LED955
	121 -LED956
	121 -LED957
	930 -LED101
	931 -LED101
WG2-0177-000	915 -FIP701
WG3-0044-000	960 -Q651
WG8-0028-000	940 -Q 8
	940 -Q 9
WK1-0057-000	930 -BAT101
	931 -BAT101
WK1-0058-000	930 -BAT102
	931 -BAT102
WK2-0083-000	915 -X701
	930 -X103
	930 -X104
	930 -X105
	931 -X103
	931 -X104
	931 -X105
WK2-0102-000	930 -X101
	931 -X101
WK3-0058-000	941 -SQ601
WP1-0008-000	101 - 38
WS3-0420-000	915 -CP701
	930 -CP102
	931 -CP102
WS3-0425-000	965 -J981
WS3-0428-000	970 -J901
WS3-0429-000	370 - 40
	381 - 36
	382 - 36
	384 - 53
WS3-0437-000	370 - 41
	381 - 37
	382 - 37
	384 - 94
WS3-0532-000	121 -J952
	970 -J902
WS3-0533-000	121 -J951
	321 - 39C
	322 - 43C
WS3-0535-000	960 -J651
WS3-0580-000	930 -J115
	930 -J117
	931 -J115
	931 -J117
WS3-0589-000	384 - 52
WS3-0885-000	101 - 39
	103 - 77
	352 - 12
	352A- 12
	370 - 42
	386 - 6B
WS3-0916-000	101 - 30
	510 - 9
WS4-0060-000	110 - 6
	111 - 6
	112 - 7
WS4-0063-000	101 - 31
WS4-0073-000	110 - 7
	111 - 7
	112 - 8
WS4-0076-000	101 - 32
WS4-0211-000	101 - 49
	810 - 70
WS4-0212-000	101 - 50
	810 - 71
WS4-0218-000	384 - 55
	620 - 22
WS4-0219-000	102 - 75
WS4-0220-000	381 - 38
	382 - 38
WT1-0015-000	810 - 72
WT1-0026-000	321 - 55
	322 - 57
	323 - 23
	370 - 43
WT1-0029-000	112 - 15
WT1-0040-000	620 - 23
WT1-0122-000	940 -P 1
	940 -P 2
	940 -P 3
	940 -P 4
WT1-0143-000	110 - 8
	111 - 11
WT1-0146-000	810 - 73
WT1-0148-000	352 - 13
	352A- 13
	384 - 56
	810 - 74
WT1-0149-000	352 - 14
	352A- 14
	384 - 57
	810 - 75
WT1-0159-000	112 - 9
WT1-0171-000	110 - 9
	111 - 12
WT1-0288-000	102 - 79
	510 - 10
WT1-0289-000	101 - 33
	510 - 11
WT1-0313-000	384 - 58
WT1-0335-000	510 - 16
WT2-0030-000	110 - 10
	111 - 9
	112 - 22
WT2-0064-000	350 - 23
WT2-0133-000	110 - 14
	111 - 15
	112 - 21
WT2-0178-000	112 - 11
WT3-9034-000	112 - 19
WT3-9041-000	112 - 2
WT3-9048-000	112 - 20
X31-6240-880	401 - 10
	402 - 14
X62-5334-000	112 - 14
	810 - 68
X62-5370-000	321 - 56
	322 - 56
	323 - 22
	370 - 44
X62-6765-000	112 - 16
	350 - 16A
	370 - 55
	381 - 50
	382 - 5
	384 - 91
X62-6772-000	641 - 5
X62-6809-000	210 - 26
	400 - 27
X62-6856-000	210 - 25
	381 - 46
	382 - 21
	384 - 90
X62-6859-000	381 - 47
X62-6863-000	350 - 25
	381 - 48
	382 - 15
X62-8249-000	941 -SQ601
X62-9153-000	110 - 11
	111 - 8
X65-5032-000	321 - 39D
	322 - 43D
	915 -D701
	915 -D702
	915 -D703
	930 -D101
	930 -D106
	930 -D107
	930 -D110
	931 -D101
	931 -D106
	931 -D107
	931 -D110
	940 -D 1
X65-5032-000	940 -D 2
	940 -D 3
	940 -D 4
	940 -D 5
	941 -D601
	941 -D602
	980 -D 15
X65-5054-000	930 -D138
	930 -D139
	930 -D147
	930 -D148
	931 -D138
	931 -D139
	931 -D147
	931 -D148
X65-5153-000	930 -D111
	930 -D112
	931 -D111
	931 -D112
X65-5435-000	930 -D108
	930 -D109
	931 -D108
	931 -D109
X65-7301-000	930 -Q130
	930 -Q131
	931 -Q130
	931 -Q131
X66-6670-000	111 - 13
X71-9310-000	620 - 20
	640 - 35
	641 - 16
	710 - 42
XA1-1261-609	810 - 93
XA9-0034-000	550 - 13
	570 - 13
XA9-0040-000	940 - 5
XA9-0097-000	102 - 46
XA9-0192-000	352 - 23
	352A- 23
	370 - 54
	381 - 51
	382 - 4
	810 - 92
	980 - 4
XA9-0292-000	550 - 14
XB1-2400-803	510 - 14
XB1-2401-809	103 -100
XB4-7300-806	327 - 6
XB4-7400-809	370 - 56
XD1-1106-211	322 - 60
XD3-1300-252	384 - 98
XD3-2200-182	260 - 10
XF1-1110-401	102 - 55
XF1-1111-601	102 - 55
XF9-0150-000	250 - 7
XF9-0151-000	260 - 8
XF9-0152-000	351 - 18
XF9-0153-000	351 - 19
XF9-0185-000	351A- 19
XF9-0186-000	351A- 18
XG2-6012-405	640 - 37
XG2-8016-505	640 - 36
	641 - 27
XG9-0013-000	250 - 8
	260 - 9
	280 - 9
	320 - 14
	386 - 9
XG9-0018-000	810 - 94
XG9-0089-000	400 - 26
	401 - 9
XG9-0094-000	320 - 13
	350 - 24
	384 - 92
XG9-0111-000	641 - 14
XG9-0139-000	810 - 95
XH9-0006-000	101 - 18
XZ9-0029-000	120 - 9
XZ9-0124-000	100 - 23
XZ9-0125-000	121 - 5
XZ9-0162-000	001 - 14
XZ9-0163-000	001 - 15
XZ9-0244-000	001 - 13
XZ9-0245-000	327 - 3
	710 - 47
Y81-0162-000	550 - 16

NP-4050

SERVICE
MANUAL
(for 220/240)

REVISION 1 JAN. 1993

Canon
FY8-13BF-010

CANON NP-4050 REV.1 JAN. 1993 PRINTED IN JAPAN

I. FEATURES

1. Full range of basic features plus four front-loading cassette holders.
   - The front loading system (4 cassette, maximum of 500 sheets each) enabled a compact design for space saving.
   - As many as 40 copies (A4, horizontal) may be produced for high-speed copying operation.
   - The copies may be reduced or enlarged between 50% and 200% in the zoom mode or produced at eight fixed ratios.
   - The copy paper may be as large as A3 or as small as postcards, and it may be tracing paper or OHP.
   - The machine's duplexing unit is designed compact with the adoption of the *set-back* system.
2. Variety of additional features including an LCD with dialog-type messages.
   - Prompts are given on the display for ease of operation.
   - Dates and times may be displayed.
   - Some of the modes available to enable efficient copying work include the following: automatic paper selection, automatic reproduction selection, automatic two-sided/overlay (if A4 or B5, 20 copies continuous; if A3 or B4, 1 copy), two-page separation, binding, frame erasing, photo, zoom program, auto cassette change, pre-heat, ID (25 max.), weekly timer (automatic power-off time), mode memory, etc.
3. Options for full automatic copying work.
   - The machine's new communication system for the RDF, sorter, stapler folder, and other options enables high-speed system operation.

   See "System Configuration."

II. SPECIFICATIONS

A. System

Item	Description
Copier body	Desk top
Copyboard	Fixed
Light source	Halogen lamp 270 W (100/115V models) 300 W (230V models)
Lens	Zoom lens
Photosensitive medium	OPC

B. Type

Item		Description
Reproduction		Indirect electrophotographic
Charging		Corona
Exposure		Slit (moving light source)
Copy density adjustment		Automatic (AE) or Manual
Development		Dry (toner projection)
Pick-up	Automatic	2 cassettes or 4 cassettes
	Manual	Manual
Transfer		Corona
Separation		Corona (static separation)
Cleaning		Blade
Fixing		Heat roller (880 W)

C. Performance

Item			Description
Document type			Sheet, Book, 3-D object (2 kg max.)
Document size (max.)			A3 (297 × 420 mm)/LDG (11"× 17")
Reproduction ratio			4R4E (DIRECT; see Table 1-1), 50% to 200% (ZOOM)
Wait time			4 min (approx., 20°C)
First copy			5 sec or less (A4; AE; upper cassette)
Continuous copying			999 (max.)
Copying speed			See Table 1-2.
Copy size			A3/LDG (297 × 431.8 mm; max.) Postcard (100 × 148 mm)
Copy paper type	Cassette		Plain paper (64 to 80 g/m^2), Tracing paper, Colored paper*
	Manual		Plain paper (64 to 128 g/m^2), Tracing paper, Colored paper*, OHP film*, Commercial postcard*, Label sheet*
	Two-sided/ Overlay copy	Automatic	Plain paper (64 to 80 g/m^2), Colored paper*
		Manual	Plain paper (64 to 128 g/m^2), Colored paper*, OHP film* (overlay only), Commercial postcard*
Cassette			Clawless, Front loading; 54 mm deep (about 500 sheets of 80 g/m^2)
Copy tray			100 sheets (approx.; 80 g/m^2)
Non-image width			2.5 ± 1.5 mm (leading edge; one-sided), 2.0 ±1.0 mm (left/right; one-sided, two-sided, overlay), 2.5 ± 2.0 mm (leading edge; two-sided, overlay)
Auto clear			Available (2 min standard; may be varied between 1 and 9 min in 1-min increments; may be disabled)
Auto shut-off			Available (2 hr standard; may be disabled)
Weekly shut-off			Available (set in 1-min increments)
Option			RDF-B1, Stapler Sorter-A1, Auto Stapler Folder-A1, Auto Stapler-A1, CCV, Sorter-A1, Sorter-B1**, CCV, Cassette Feeding Unit-D1, Paper Deck Pedestal-D1

* Of a type recommended by Canon.
** No tandem configuration.

D. Others

Item		Description	
Operating environment	Temperature	15° to 30°C	
	Humidity	5% to 80%	
	Atmospheric pressure	0.6 to 1 atm	
Power source		Serial No.	
	220V 50 Hz	PAF xxxxx PDV xxxxx	
	240V 50 Hz	QAB xxxxx QDV xxxxx	
	240V 50 Hz	RAE xxxxx RDV xxxxx	
	220V 50 Hz	SAB xxxxx SDV xxxxx	
	220V 50 Hz	TAB xxxxx TDV xxxxx	
	220V 50 Hz	UAD xxxxx UDV xxxxx	
Power consumption	Maximum	1.5 kW or less	
	Standby	0.171 kWh (approx., average; reference only)	
	Continuous copying	1.084 kWh (approx., average; A4; reference only)	
Noise	Copying	71 dB or less	(sound power level as prescribed by ISO)
	Standby	As prescribed by ISO (50 dB or less)	
Ozone (average over 8 hr)		0.1 ppm or less	
Dimensions	Width	760 mm	
	Depth	690 mm	
	Height	623 mm*, 958 mm**	
Weight		92 kg* (approx.)	
		124 kg** (approx.)	
Consumables	Copy paper	Keep wrapped to protect against humidity.	
	Toner	Avoid direct sunlight; keep it under 40°C, 85%.	

* Copyboard type, including 2 cassettes.
** Copyboard type, including 4 cassettes.

DIRECT	REDUCE	ENLARGE
1:1 (±0.5%)	1:0.500 1:0.707 1:0.816 1:0.865	1:1.154 1:1.224 1:1.414 1:2.000
	1:0.500 1:0.707	1:1.414 1:2.000

Table 1-1 Fixed Reproduction Ratios

Reproduction ratio		Copy size	Copies/min
DIRECT	1:1 (±0.5%)	A3 (297 × 420 mm)	23
		A4 (210 × 297 mm)	40
		B4 (257 × 364 mm)	26
		B5 (182 × 257 mm)	40
REDUCE	1:0.707 (±1.0%)	A3 → A4R	29
		B4→ B5R	33
	1:0.816 (±1.0%)	B4 → A4R	30
	1:0.865 (±1.0%)	A3 → B4	25
		A4 → B5	40
ENLARGE	1:1.414 (±1.0%)	A4R → A3	23
		B5R → B4	26
	1:1.224 (±1.0%)	A4R → B4	26
	1:1.154 (±1.0%)	B4 → A3	23
		B5 → A4	40

Table 1-2 Copying Speeds

E. Cassette Feeding Unit

Type of copy paper	As per copier.
Cassette	As per copier.
Power supply	24 VDC (from copier)
Dimensions	700 (W) x 575 (D) x 337 (H) mm
Weight	27 kg

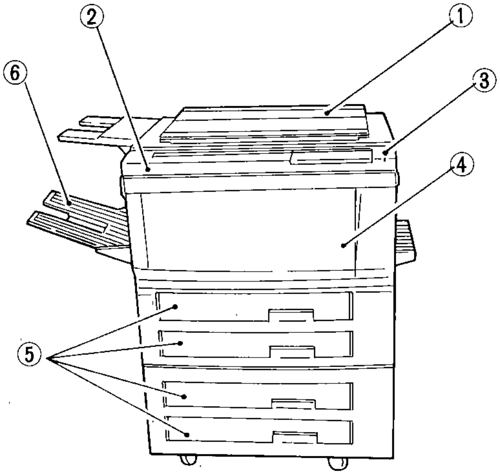
F. Paper Deck Pedestal

Type of copy paper	A4, B5, LTR (plain paper, 64 to 80 g/m², colored paper*)
Deck	No claw, Front loading; 162 mm deep (max; about 1500 sheets of 80g/m²)
Power supply	24 VDC (from copier)
Dimensions	702.5 (W) x 575 (D) x 335.4 (H) mm
Weight	42 kg

* Of a type recommended by Canon.

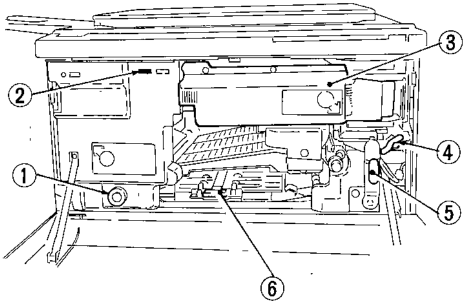
III. NAMES OF PARTS

A. Exteriors



① Copyboard cover	④ Front door
② Control panel	⑤ Cassette
③ Power switch	⑥ Copy tray

Figure 1-1

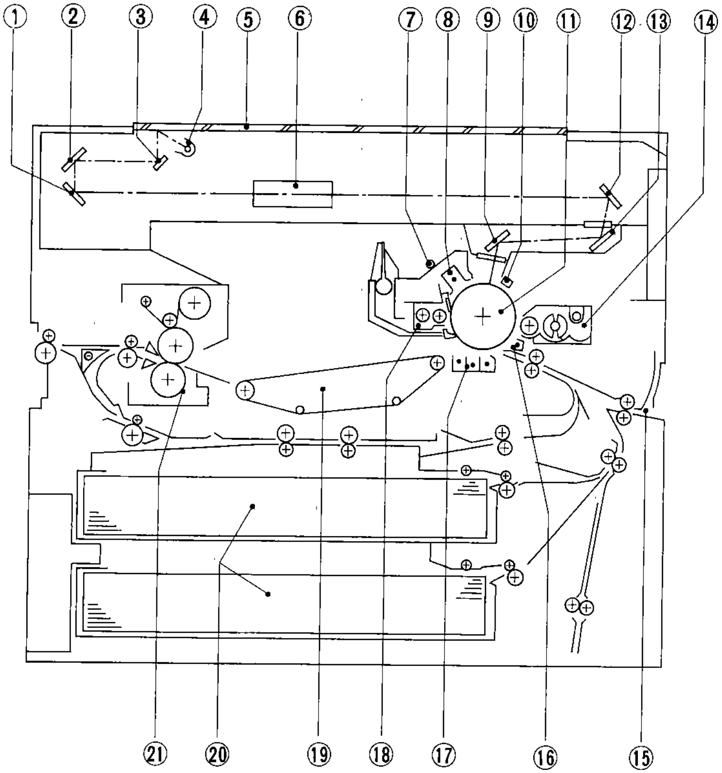


① Fixing assembly knob	④ Lock lever (developing assembly)
② Total copy counter	⑤ Feeder assembly release lever
③ Hopper	⑥ Lower feeder lever

Figure 1-2

B. Cross Section

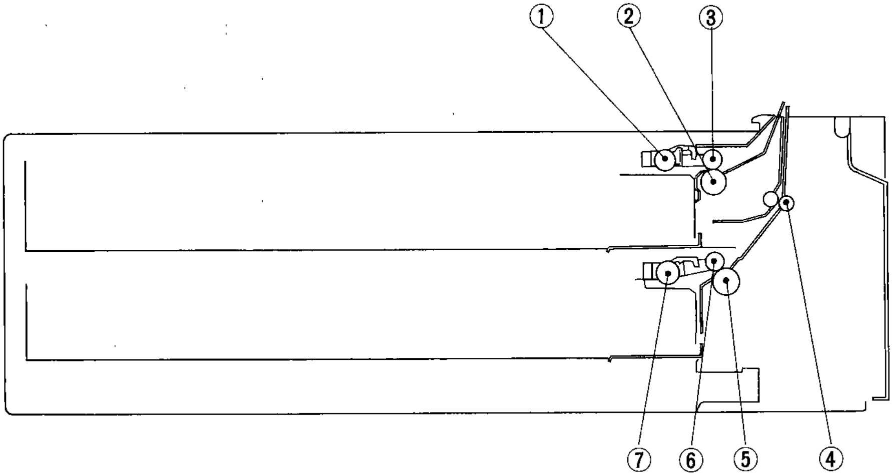
1. Copier Body



① No. 3 mirror
② No. 2 mirror
③ No. 1 mirror
④ Scanning lamp
⑤ Copyboard glass
⑥ Zoom lens
⑦ Pre-exposure lamp
⑧ Primary corona assembly
⑨ No. 6 mirror
⑩ Blank exposure lamp
⑪ Photosensitive drum
⑫ No. 4 mirror
⑬ No. 5 mirror
⑭ Black developing assembly
⑮ Manual feed assembly
⑯ Pre-transfer corona assembly
⑰ Transfer/Separation corona assembly
⑱ Drum cleaning assembly
⑲ Feeder assembly
⑳ Cassette
㉑ Fixing assembly

Figure 1-3 Cross Section of Copier Body

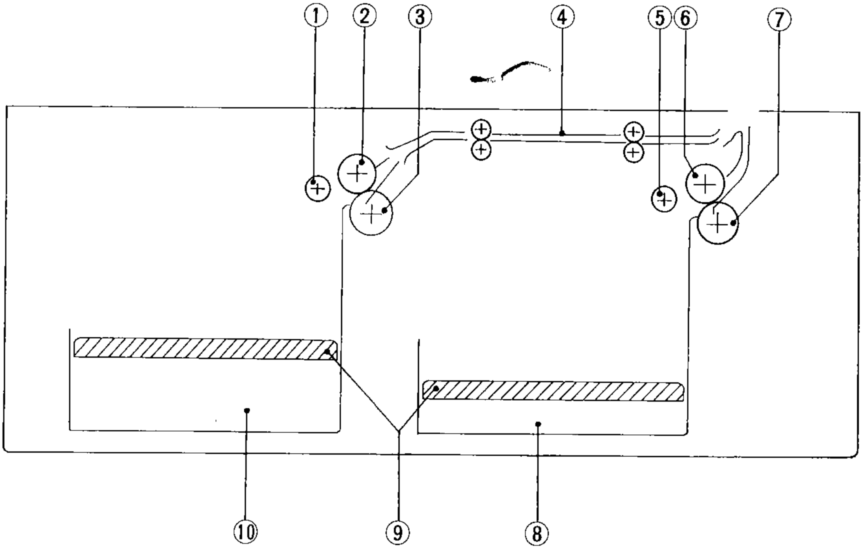
2. Cassette Feeding Unit (3rd/4th cassette)



① Cassette 3 pick-up roller	⑤ Cassette 4 separation roller
② Cassette 3 separation roller	⑥ Cassette 4 feeder roller
③ Cassette 3 feeder roller	⑦ Cassette,4 pick-up roller
④ No. 4 registration roller	

Figure 1-4 Cross Section of Cassette Feeding Unit (3rd/4th cassette)

3. Paper Deck Pedestal



① Left pick-up roller	⑥ Right feeder roller
② Left feeder roller	⑦ Right separation roller
③ Left separation roller	⑧ Right deck
④ Left feeder assembly	⑨ Lifter
⑤ Right Pick-up roller	⑩ Left deck

Figure 1-5 Cross Section of Paper Deck Pedestal

IV. OPERATION

A. Control Panel

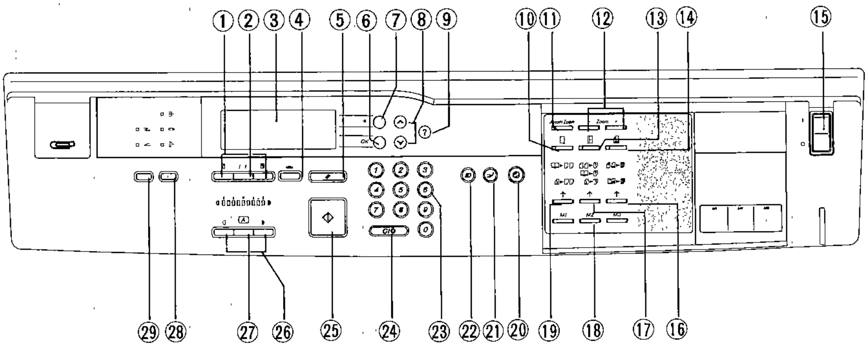


Figure 1-6

① REDUCE/ENLARGE key
② DIRECT key
③ Message display
④ PAPER SELECT key
⑤ RESET key
  Standard Mode
  reproduction ratio: 100%
  paper selection: auto
  copy count: 1
  copy color: black
  density: AE
⑥ OK key
⑦ ASTERISK key
⑧ SCROLL key
⑨ GUIDE key
⑩ ERASE key
  - sheet
  - document
⑪ AUTO ZOOM key
⑫ ZOOM key
⑬ MARGIN key
⑭ PHOTO key
⑮ POWER switch
⑯ OVERLAY MODE key
⑰ TWO-SIDED MODE key
⑱ COPY MODE MEMO key
⑲ TWO-PAGE SEPARATION MODE key
⑳ STANDBY key
  - when ON, the control panel indicators go OFF; at the same time, the fixing temperature is controlled to 10°C lower than when in standby.
㉑ INTERRUPT key
  - stops continuous copying operation; effective for a single copy only.
㉒ ID key
㉓ NUMBER keys
㉔ CLEAR/STOP key
㉕ COPY START key
㉖ COPY DENSITY key
  - normally, in 9 steps.
  - may be set to 17 steps (service mode).
㉗ AE key
㉘ SORT/STAPLE/GROUP key
㉙ FOLD key

B. Making Copies

1) Press the POWER switch to the 'ON' position.
   - The WAIT indicator starts to glow green when the temperature of the fixing assembly reaches a specific value.
   - Normally, the wait time is about 4 min (at 20°C ambient temperature).
2) Lift the copyboard cover, and place the document face down along the size index.
3) Press the DIRECT, REDUCE, ENLARGE, or ZOOM key to suit the size of the copy paper.
4) Select the cassette holder if to specify the size of copy paper.
   - Replace the cassette if necessary.
5) Press the COPY DENSITY key to suit the density of the document.
   - For a darker copy, press the *darker* key, thereby moving the index to the right; for a lighter copy, press the *lighter* key to move the index to the left.

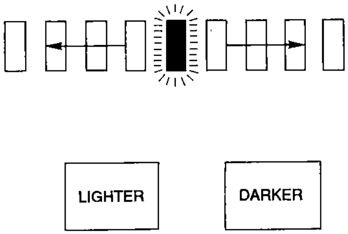


Figure 1-7

6) Enter the number of copies to make (1 to 999) using the numeric keypad, and check the input on the copy count display.
   - If the numeric keypad does not work or if a mistake is made, press the CLEAR/STOP key and re-enter the count.
7) Press the COPY START key.
   - The machine has an auto start mode.
   - If the RDF is attached, the documents on the document tray are picked up automatically and copying operation starts.
   - Copies are made in the specified number.
   - Except for the CLEAR/STOP and INTERRUPT keys, all other keys are disabled between the first and last copies.
   - The automatic density adjustment mechanism may be switched over to manual density adjustment between the first and the last copies; the manual density adjustment mechanism, however, cannot be switched over to automatic density adjustment.

Note:
If the copies are too dark or too light in the AE mode, press the COPY DENSITY key to make adjustments while referring to copies made in the AE mode.

- To stop continuous copying operation, press the CLEAR/STOP key or the RESET key.
- To stop continuous copying operation, press the CLEAR/STOP key or the RESET key; the copying operation will stop after finishing the on-going copy run.
- The copy count display after each copying operation indicates the initial setting. If the ADD PAPER indicator goes ON and the copying operation stops in the middle of copying operation, the remaining number of copies will be made automatically when the COPY START key is pressed after adding paper.
- If a jam occurs in the middle of copying operation, the JAM message is indicated on the message display and copying operation stops. When the jam is removed, the copy count display shows the remaining number of copies.
- The machine returns to the standard mode if left alone for about 2 min* after copying operation or key operation.
  *Variable. ($\boxed{*}\rightarrow\boxed{8}\rightarrow\boxed{OK}$)

Note:
i. Feed postcards vertically.
ii. Feed A4 label sheet horizontally.

C. Auto Start Mode

The auto start mode may be activated while the copier is in the following wait states: during the wait period after power-on, during the wait period after deactivation of the pre-heat mode, and during the cleaning operation of the wire.

Set the documents during the wait period, set the copy modes, and press the COPY START key.

The WAIT indicator will change from green to orange to indicate that the auto start mode has been activated; no interrupt command will be accepted.

Copying operation will start automatically using the pre-selected copy modes as soon as the copier enters the standby mode.

The automatic start mode may be deactivated using the CLEAR/STOP key or the RESET key.

D. Making Two-Sided/Overlay Copies Manually

Two-sided or overlay copies may be made manually; note the following:

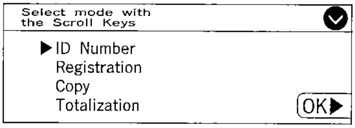
i. Orient the copy correctly; i.e., turn over the copy without changing its rear/front orientation.
ii. Make sure that the paper is not moist.
iii. Make sure that the paper is not curled.
iv. Cool the copy sufficiently after first copy run, and correct the curl, if any, before the second copy run (OHP film, in particular).
v. Use paper of 60 to 120g/m².

E. Storing the ID Mode

As many as 25 4-digit ID numbers may be stored; copies may be made only in response to any of the stored numbers, and an accumulative count of copies under each number may also be obtained.

■ Registering an ID No.

1) Press the ✱, ID, AUTO ZOOM, and ✱ keys in sequence.

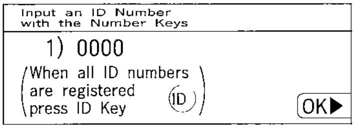


Select mode with
the Scroll Keys

▶ID Number
Registration
Copy
Totalization

Figure 1-8

2) Press the OK key.
3) Enter an ID No. using the numeric keypad.



Input an ID Number
with the Number Keys

1) 0000
(When all ID numbers are registered press ID Key)

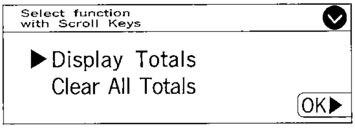
Figure 1-9

4) Press the OK key; advance the group No., and enter another ID No. Repeat the operation as necessary.
5) Press the ID key to store all ID Nos.

■ Controlling the Copy Volume

An accumulative count of copies made under each ID No. may be obtained as follows:

1) Press the ✱, ID, AUTO ZOOM, ✱, and 🅅 keys in sequence.
2) Select Display Totals, and press the OK key.
3) Select Display Totals or Clear All Totals, and press the OK key.

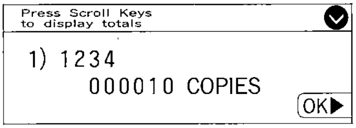


Select function
with Scroll Keys

▶Display Totals
Clear All Totals

Figure 1-10

4) Press the 🅅 key to bring up the desired group and count.



Press Scroll Keys
to display totals

1) 1234
000010 COPIES

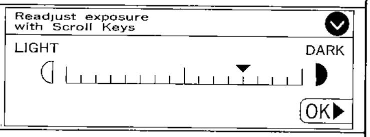
Figure 1-11

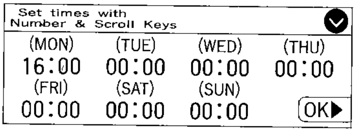
5) Press the OK key to return to the standard screen.

Note:
The counts cannot be returned to '0' by on an individual basis; selecting the 'COUNT ALL CLEAR' and pressing the OK key will cause all counts to '0'.

F. Using the Asterisk (User) Mode

The machine is equipped with the asterisk (user) mode, by which the user can store settings of his or her choice.

<table>
<tr><th>Key operation</th><th>Description</th><th>Remarks</th></tr>
<tr><td>$\boxed{\ast} \rightarrow \boxed{1} \rightarrow \boxed{\text{OK}}$</td><td>• Mode Memory
As many as three copy modes may be stored for use in the future.</td><td>1) Press the desired copy mode keys.
2) Press the ✱ key.
3) Select 'STORE MODE MEMORY'.
4) Press the COPY MODE MEMO key (M1, M2, or M3).
5) Press the OK key.</td></tr>
<tr><td>$\boxed{\ast} \rightarrow \boxed{2} \rightarrow \boxed{\text{OK}}$</td><td>• ZOOM Program
Enter the size of the document and the desired size of copies; the mechanism will select the best reproduction ratio automatically.</td><td>If the result of computation is 50% or less, 50% will be selected; if 200% or more, 200% will be selected.</td></tr>
<tr><td>$\boxed{\ast} \rightarrow \boxed{3} \rightarrow \boxed{\text{OK}}$</td><td>• Left/Right Margin
For the margin mode, the position of the binding margin may be specified in terms of priority; in the two-page separation mode, the page orientation may be specified in terms of left or right page.</td><td><table>
<tr><th></th><th>Left binding</th><th>Right binding</th></tr>
<tr><td>Binding margin</td><td>Left binding margin</td><td>Right binding margin</td></tr>
<tr><td>Two-Page separation</td><td>Left page first</td><td>Right page first</td></tr>
</table>
Normally, left binding is selected.</td></tr>
<tr><td>$\boxed{\ast} \rightarrow \boxed{4} \rightarrow \boxed{\text{OK}}$</td><td>• Auto Original Counting
When setting documents on the RDF and making two-sided copies from a multiple number of one-sided documents, the documents are counted first before copying operation so that the last page of the documents will be copied as if in the one-sided copy mode; this mechanism may be disabled.</td><td></td></tr>
<tr><td>$\boxed{\ast} \rightarrow \boxed{5} \rightarrow \boxed{\text{OK}}$</td><td>• Exposure Recalibration
If the copies are too dark or too light after density adjustment, this mode enables finer adjustment.</td><td>
Readjust exposure with Scroll Keys
</td></tr>
<tr><td>$\boxed{\ast} \rightarrow \boxed{6} \rightarrow \boxed{\text{OK}}$</td><td>• Cleaning the Corona Wires
Using this mode, it is possible to have the machine clean the primary, transfer, and separation corona wires automatically.</td><td></td></tr>
</table>

Key operation	Description	Remarks
$\boxed{*}\rightarrow\boxed{7}\rightarrow\boxed{\text{OK}}$	- Feeder Cleaning (RDF) Set 10 blank sheets of copy paper on the feeder tray, and press the OK key. Feed the sheets in the 'two-sided to one-sided' mode to clean the separation belt and the feeder roller.	
$\boxed{*}\rightarrow\boxed{8}\rightarrow\boxed{\text{OK}}$	- Setting the Auto-Clear Time The auto-clear time may be set between 1 and 9 min in 1-min increments. Setting the time to 0 min disables the mechanism.	The auto-clear time is set to 2 min when the copier is shipped from the factory.
$\boxed{*}\rightarrow\boxed{9}\rightarrow\boxed{\text{OK}}$	- Auto Shut-Off Time Set The auto shut-off time may be set for each day of the week; setting the time to '00:00' disables the mechanism, and any wrong setting also disables the mechanism.	 Set times with Number & Scroll Keys (MON) 16:00 (TUE) 00:00 (WED) 00:00 (THU) 00:00 (FRI) 00:00 (SAT) 00:00 (SUN) 00:00 OK▶
$\boxed{*}\rightarrow\boxed{10}\rightarrow\boxed{\text{OK}}$	- Setting the Date and the Time With this mode, the year, month, day, and time stored in the built-in clock may be adjusted.	

V. WARNINGS AND CORRECTIONS

A. JAM Message

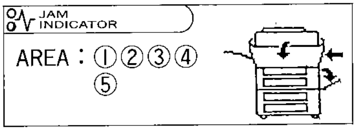


Figure 1-12

The message comes on in response to a jam in the machine; remove the jam as described below.

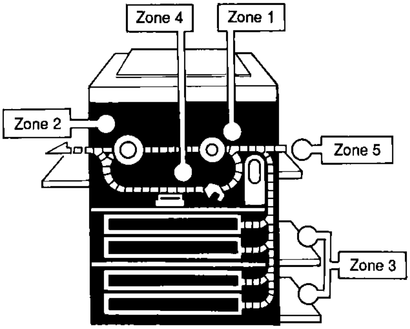


Figure 1-13

1. Removing Jam from Area 1

1) Turn the feeder assembly release lever counterclockwise, and remove the copy paper.

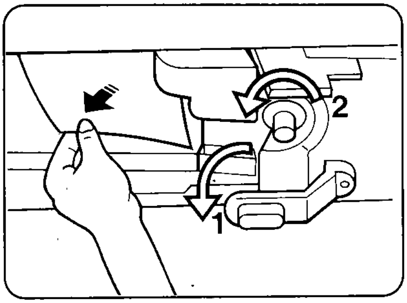


Figure 1-14

2. Removing Jam from Area 2

1) Shift the lower feeder lever up, and remove the copy paper.
2) Detach the copy tray, and open the delivery door. If the paper is trapped in the fixing assembly, turn the fixing assembly knob counterclockwise, and remove the jam.

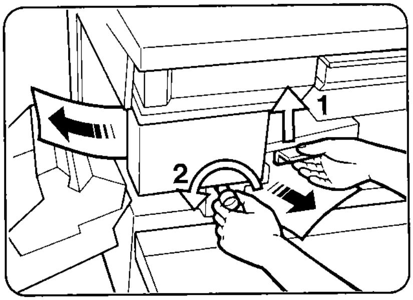


Figure 1-15

3. Removing Jam from Area 3

1) Open the upper right door or lower right door of the cassette assembly, and remove the copy paper. If the copy paper cannot be removed, slide out the cassette, and remove the paper.

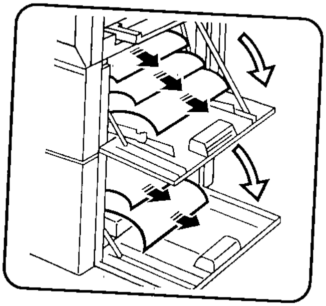


Figure 1-16

4. Removing Jam from Area 4

1) Lift the lever of the lower feeder assembly, and remove the copy paper.

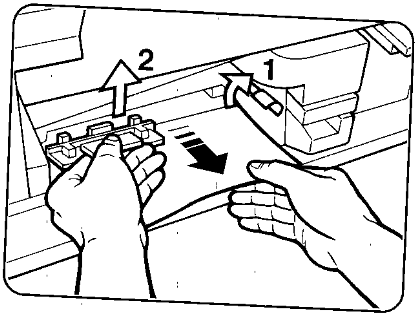


Figure 1-17

5. Removing Jam from Area 5

1) Lift the manual feed tray cover, and remove the copy paper.

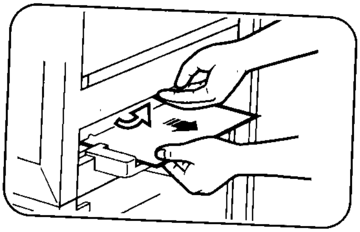


Figure 1-18

6. Jam in Paper Deck Pedestal

1) Open the copier's front door.
2) Open the lower right door of the deck assembly.

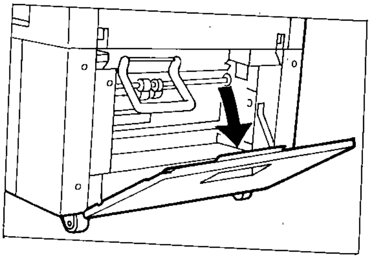


Figure 1-19

3) Bring down the green grip, and remove the jam.

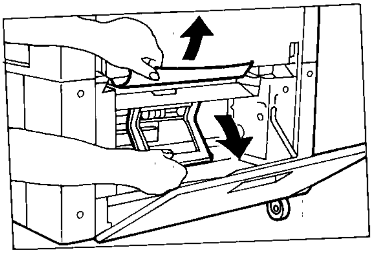


Figure 1-20

4) Slide out the right deck, and remove the jam.

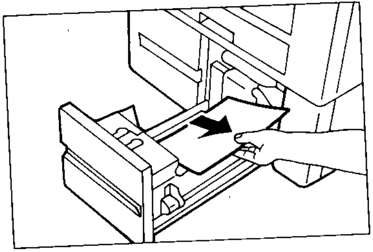


Figure 1-21

5) Slide out the left deck, and remove the jam.

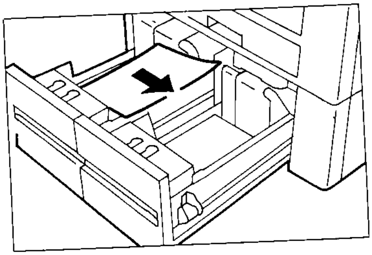


Figure 1-22

6) Hold the grip of the left feeder assembly, and slide the assembly until it stops.

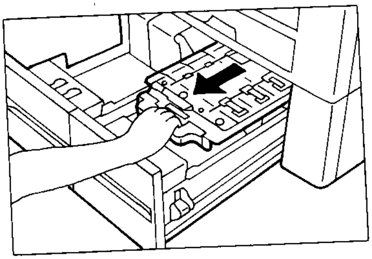


Figure 1-23

7) Bring up the knob on the left feeder assembly, and remove the jam.

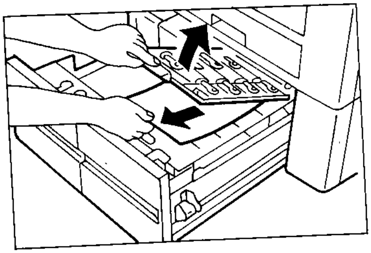
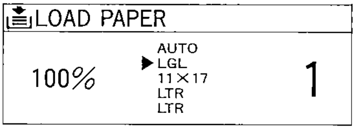


Figure 1-24

8) Slide the left feeder assembly and the left/right deck into their original positions.
9) Close the lower right door of the deck assembly.
10) Close the copier's front door.

B. ADD Paper Message



LOAD PAPER

100%

AUTO
▶LGL
11×17
LTR
LTR

1

Figure 1-25

The message comes on when the cassette is running out of paper; perform the following steps:

1. Pick-Up from Cassette

1) Hold the grip of the selected cassette, and slide the cassette to the front as far as it moves.
2) Set copy paper in the cassette; keep the face next to the seem facing down.

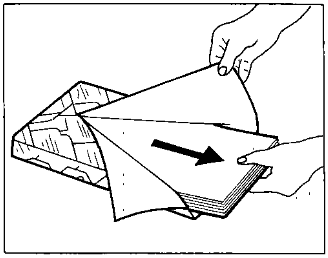


Figure 1-26

3) Place the copy paper on the lifting plate of the cassette, and keep the leading edges of the sheets together.

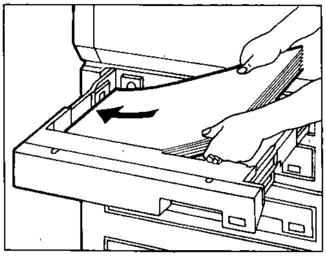


Figure 1-27

4) Set the cassette in the machine.

2. Adding Paper to the Paper Deck Pedestal

1) Hold the grip on the paper deck, and slide the deck to the front until it stops.

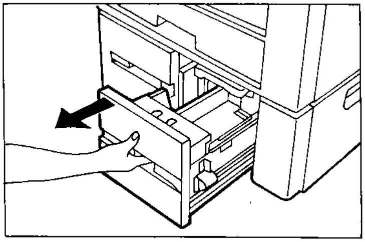


Figure 1-28

2) Take out copy paper from its package, and set it in the deck.

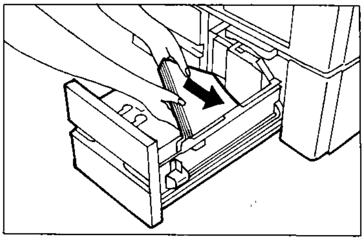
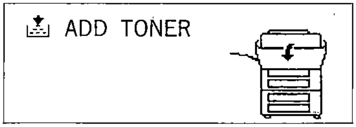


Figure 1-29

3) Slide the deck back into its original position.

C. ADD Toner Message



ADD TONER

Figure 1-30

The message comes on when the toner is running out; perform the following steps:

1) Open the front door.
2) Slide the hopper unit to the front.

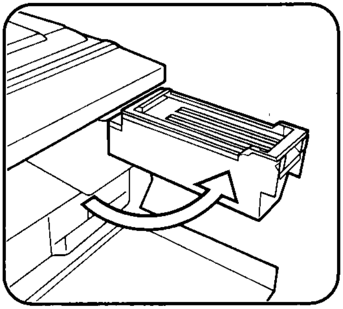


Figure 1-31

3) Shake the toner cartridge back and forth about several times.

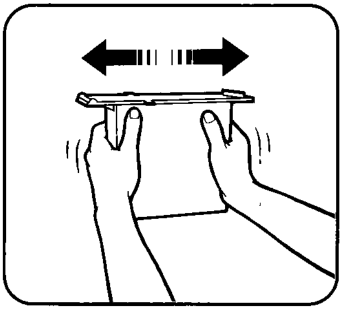


Figure 1-32

4) Fit the boss of the toner cartridge into the groove along the rear of the hopper unit; listen for a click.

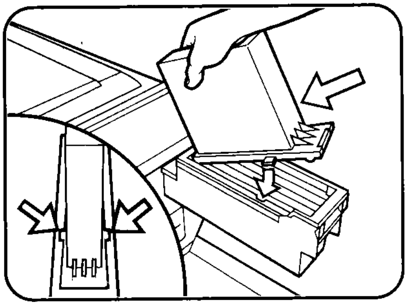


Figure 1-33

5) Hold the cartridge, and pull the hopper grip (identified by a gray seal) to the front until the seal stopper comes into view.

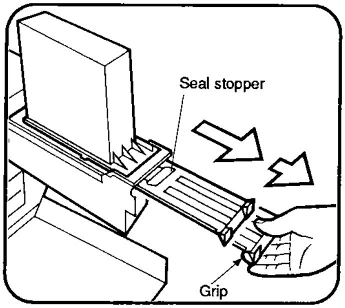


Figure 1-34

6) Hold the cartridge grip, and pull it to the front unitl it stops.

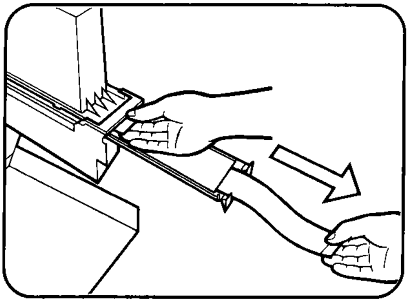


Figure 1-35

7) Tap on the top of the toner cartridge lightly until all toner inside the toner cartridge has dropped into the hopper unit.
8) Push the hopper grip to the rear until the toner cartridge becomes unlocked.
9) Lift the front of the toner cartridge, and detach the seal stopper from the hopper carefully.
10) Set the hopper unit to the machine.
11) Close the front door.

Note:
For black toner used at time of installation, see CHAPTER 5.

VI. ROUTINE MAINTENANCE BY THE USER

Advise the user to clean the following at least once a week.

1. *Copyboard Glass*

Clean it with a moist cloth; then, dry wipe it.

2. *Copyboard Cover*

Clean it using mild detergent solution; then, dry wipe it.

I. IMAGE FORMATION

A. Outline

The NP-4050 is an electrophotographic copier constructed as shown in Figure 2-1.

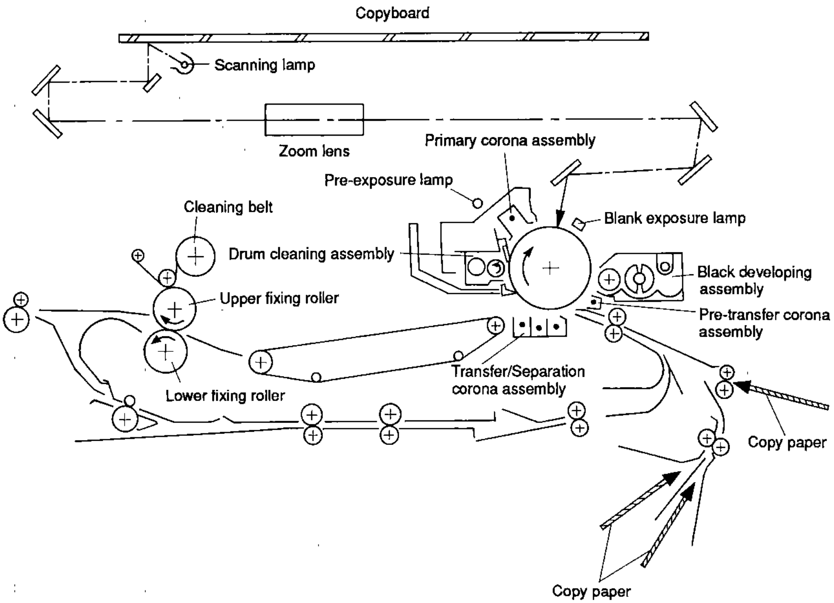

Copyboard
Scanning lamp
Zoom lens
Primary corona assembly
Pre-exposure lamp
Cleaning belt
Blank exposure lamp
Drum cleaning assembly
Black developing assembly
Upper fixing roller
Pre-transfer corona assembly
Transfer/Separation corona assembly
Lower fixing roller
Copy paper
Copy paper

Figure 2-1

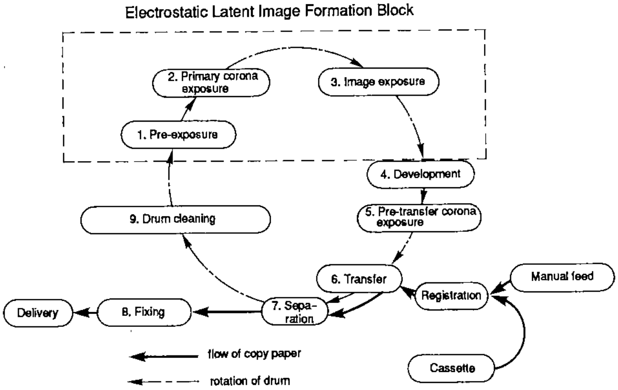

Electrostatic Latent Image Formation Block
2. Primary corona exposure
3. Image exposure
1. Pre-exposure
4. Development
9. Drum cleaning
5. Pre-transfer corona exposure
6. Transfer
Manual feed
Registration
Delivery
8. Fixing
7. Separation
flow of copy paper
rotation of drum
Cassette

Figure 2-2

The following nine steps are involved in producing images:

Step 1 Pre-exposure
Step 2 Primary corona exposure (negative DC)
Step 3 Image exposure
Step 4 Development (AC + negative DC)
Step 5 Pre-transfer corona exposure (AC + positive DC)
Step 6 Transfer (negative DC)
Step 7 Separation (AC + positive DC)
Step 8 Fixing
Step 9 Drum cleaning

The photosensitive drum consists of two layers; the outer layer is a photoconductive layer made of OPC and the inner layer, a conductive core of aluminum.

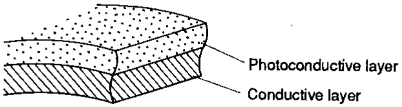


Figure 2-3

B. Electrostatic Latent Image Formation Block

This block consists of three steps during which the negative charges in the areas of the drum surface corresponding to the dark areas of the document are left as they are while those corresponding to the light areas of the document are rid of the negative charges, thereby forming an electrostatic image on the drum surface.

These electrostatic images on the drum surface are not visible to the human eye and, therefore, are called *electrostatic latent images.*

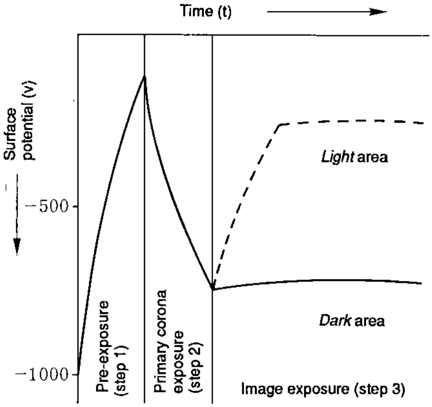


Figure 2-4

C. Step 1 Pre-Exposure

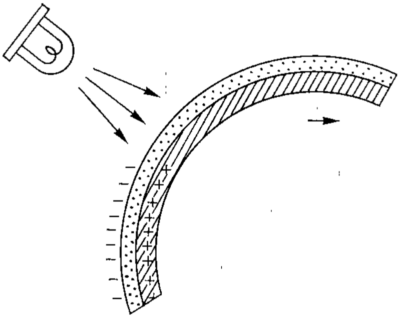


Figure 2-5

Pre-exposure eliminates the residual charges on the drum to prepare for primary corona exposure, thereby ensuring even copy density.

D. Step 2 Primary Corona Exposure

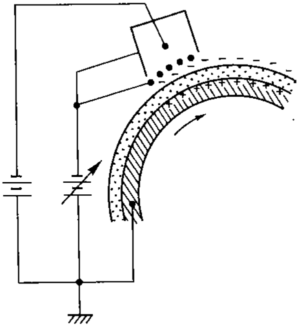


Figure 2-6

Primary corona exposure charges the drum surface to a uniform negative potential.

The surface potential of the drum is dependent on the potential of the grid; and, to ensure stable surface potential of the drum, a bias is applied to the grid. A voltage equal to that of the grid bias is applied to the shield plate to ensure correct corona discharge from the primary corona assembly.

E. Step 3 Image Exposure

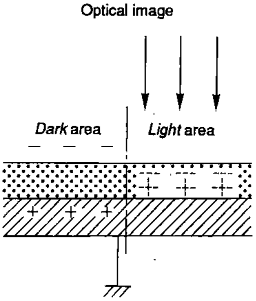

Optical image
Dark area
Light area

Figure 2-7

The optical image of the document is projected on the drum surface to neutralize the charges in the *light* areas.

F. Step 4 Development

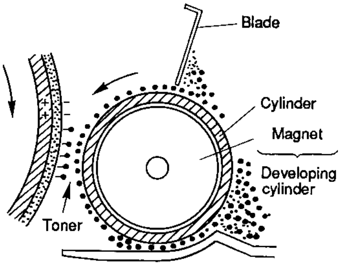

Blade
Cylinder
Magnet
Developing cylinder
Toner

Figure 2-8

As shown in Figure 2-8, the developing assembly consists of a developing cylinder and a magnetic blade; the developing cylinder is made up of a fixed magnet and a cylinder which rotates around the magnet.

The toner (developer) used for the machine is a single-component type, consisting mainly of magnetite and resin. The toner has an insulating characteristic and is charged to a positive potential by friction against the rotating cylinder.

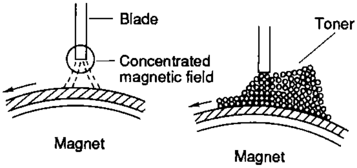

Blade
Concentrated magnetic field
Magnet
Toner
Magnet

Figure 2-9

A concentrated magnetic filed develops between the magnet and the tip of the blade, attracting the magnetized toner.

Once inside the magnetic field, the toner becomes virtually immobile because of the strong attraction to the blade.

The toner is then deposited on the cylinder in a thin, even layer.

An AC bias and a DC bias (negative component) are simultaneously applied to the developing cylinder and the blade and, since the negative component is greater than the positive component at any given time, they provide a developing bias.

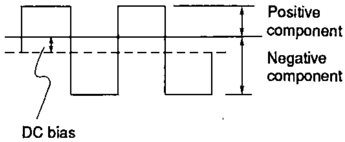


Figure 2-10

During copying operation, the toner is attracted to the photosensitive drum because of the drum surface potential and the development bias (positive component), thereby turning the electrostatic latent image into a visible image. Excess toner is then repelled by the photosensitive drum by the work of the drum surface potential and the development bias (negative component).

An AC bias, frequency in particular, mostly affects gradation; a lower frequency improves gradation but, at the same time, may fog the image. A DC bias affects the copy density and, therefore, can cause fogging; a higher DC bias, i.e., closer to 0 V, darkens the image but, on the other hand, can fog the image.

G. Step 5 Pre-Transfer Corona Exposure

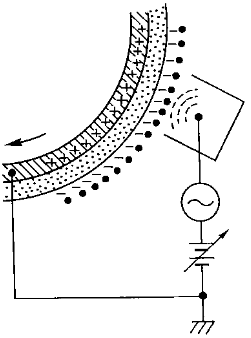


Figure 2-11

The AC corona from the pre-transfer corona assembly, together with a DC bias, increases and optimizes the charge on the toner on the drum surface. The increase improves the transfer and facilitates the separation of the copy paper at the same time.

H. Step 6 Transfer

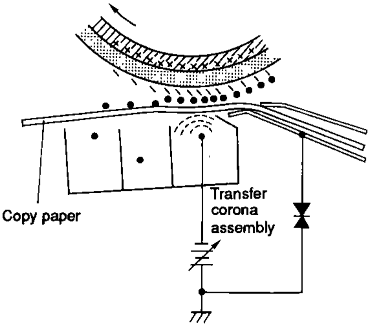


Figure 2-12

A negative corona charge is applied to the back of the copy paper, causing the toner on the drum to move to the copy paper.

The transfer guide is grounded through a varistor to prevent soiling of the back of the copy paper or poor transfer.

Note:
Direct grounding of the transfer guide would let the charges needed on the back of the copy paper to escape, leading to poor transfer; if not grounded, on the other hand, the transfer guide would be charged, attracting toner particles and, consequently soiling the back of the paper.

Copy paper coming out of the fixing assembly is dry and has a high resistance. For this reason, in the automatic two-sided or overlay copying, the use of the same transfer corona output for both first and second sides of copy paper would cause faulty separation.

To prevent such a problem, the transfer corona output for the second side is lowered than for the first side.

I. Step 7 Separation

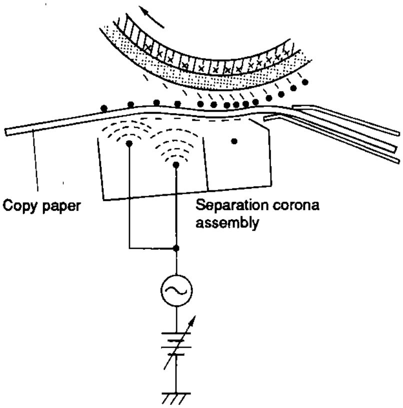


Figure 2-13

The copy paper is charged to a negative potential by the transfer corona and is statically attracted to the surface of the photosensitive drum. To separate the copy paper, the attraction between the drum and the paper is broken by an AC corona charge with a DC bias.

Copy paper coming out of the fixing assembly is dry, has a high resistance, and tends to curl. For this reason, in the automatic two-sided or overlay copying, the use of the same separation corona output for both first and second sides of copy paper would cause faulty separation.

To prevent such a problem, the positive DC component of the separation corona output for the second side is lowered than for the first side.

J. Step 8 Fixing

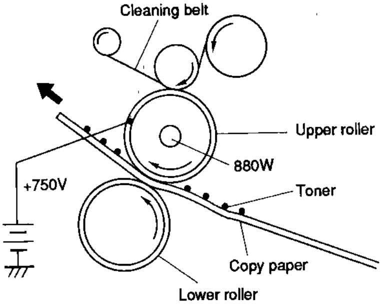

Cleaning belt
Upper roller
880W
+750V
Toner
Copy paper
Lower roller

Figure 2-14

After transfer, the copy paper is moved through a pair of heat rollers, during which the toner image is fused into the fibers of the paper.

To prevent jams and toner offset, the upper fixing roller is kept in contact, at two points, with the cleaning belt impregnated with silicone oil.

The take-up mechanism moves the belt so that it is supplied with oil and cleans the upper roller while changing its point of contact.

Further, to ensure a constant voltage, the upper fixing roller is given a positive DC bias, thereby preventing toner offset.

K. Step 9 Drum Cleaning

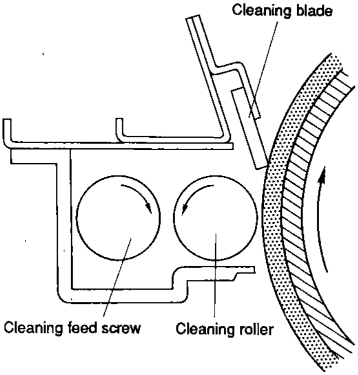

Cleaning blade
Cleaning feed screw
Cleaning roller

Figure 2-15

The cleaning blade scrapes the residual toner off the drum surface in preparation for the next copy run, ensuring reproduction of crisp images.

The toner scraped by the cleaning blade is sent to the front of the machine by the cleaning feed screw for collection inside the drum.

II. AUXILIARY PROCESSES

1. Separation Claw

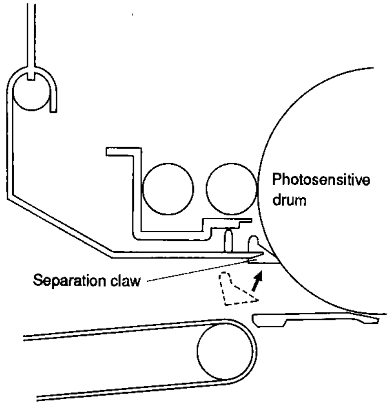


Figure 2-16

Copy paper, if not separated from the photosensitive drum because of faulty pre-transfer or faulty separation corona exposure, tends to move into the drum cleaning assembly. To prevent the problem, the bottom of the drum cleaning assembly is equipped with separation claws to force the paper off the drum.

2. Ozone Filter

The exhaust fan assembly and the feeder fan assembly are equipped with a filter to prevent leakage of ozone occurring in the corona assemblies.

3. Static Eliminator

The outlet of the delivery assembly is equipped with a static eliminator consisting of a grounded brush to remove the residual charges.

4. Blank Exposure Lamp

The blank exposure lamp (LEDs) goes ON when the drum is rotating and the scanner is moving forward without exposing the document; this is to eliminate the charges in the non-imaging areas of the drum surface, thereby preventing adhesion of unwanted toner.

The lamp goes ON also to blank out the non-imaging areas that are varied to suit different reproduction ratios and paper widths.

I. FUNDAMENTALS OF OPERATION

A. Basic Construction

The operating mechanisms of the machine can be divided into four main blocks; i.e., pick-up/feeder system, exposure system, image formation system, and control system.

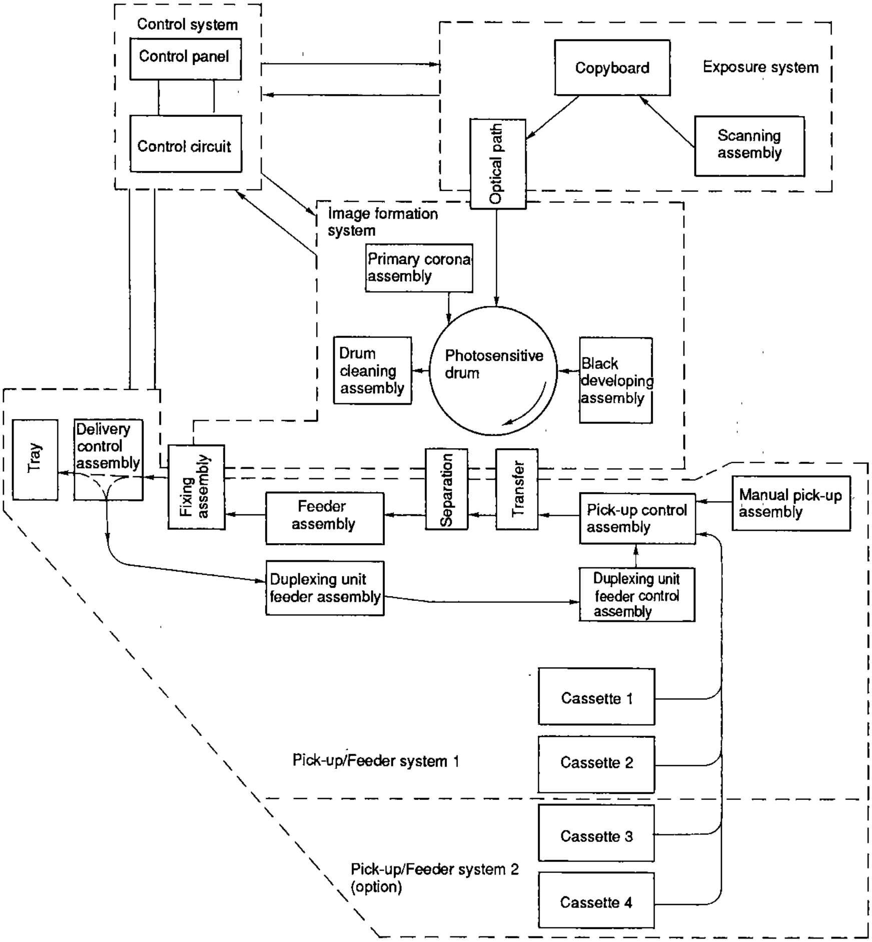

Control system
Control panel
Control circuit
Copyboard
Exposure system
Scanning assembly
Optical path
Image formation system
Primary corona assembly
Drum cleaning assembly
Photosensitive drum
Black developing assembly
Tray
Delivery control assembly
Fixing assembly
Separation
Transfer
Feeder assembly
Pick-up control assembly
Manual pick-up assembly
Duplexing unit feeder assembly
Duplexing unit feeder control assembly
Cassette 1
Cassette 2
Pick-up/Feeder system 1
Cassette 3
Cassette 4
Pick-up/Feeder system 2 (option)

Figure 3-1

B. Electrical Circuitry

The machine is controlled by two microprocessors and five LSIs on the DC controller PCB. The functions of each of these ICs are as shown below:

Microprocessors

Q223 (main CPU)
- Controls the copying sequence

Q221 (sub CPU)
- Controls the stepping motor
- Reads in analog signals

LSIs

Q176 (D/A converter)
- Outputs image formation control signal

Q215 (LCDC)
- Controls liquid crystal display

Q199 (IPC)
- Controls serial communication with RDF and sorter

Q207 (calendar IC)
- Controls the calendar

Q212 (gate array)
- Controls CPU bus
- Turns PCBs ON and OFF
- Serves as dual port RAM

Gate array (Q212) connected to the main CPU (Q223) and the sub CPU (Q221) is equipped with a built-in dual port RAM that can read or write information from both main and sub CPUs.

The calendar IC (Q207) and the RAM (Q217) are backed up by a lithium battery (BAT101).

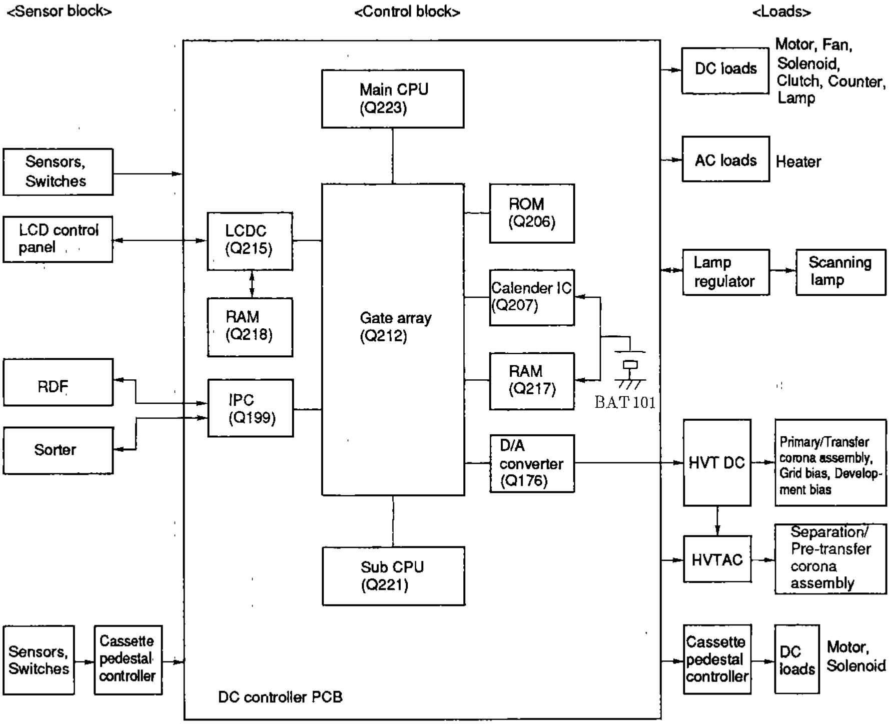
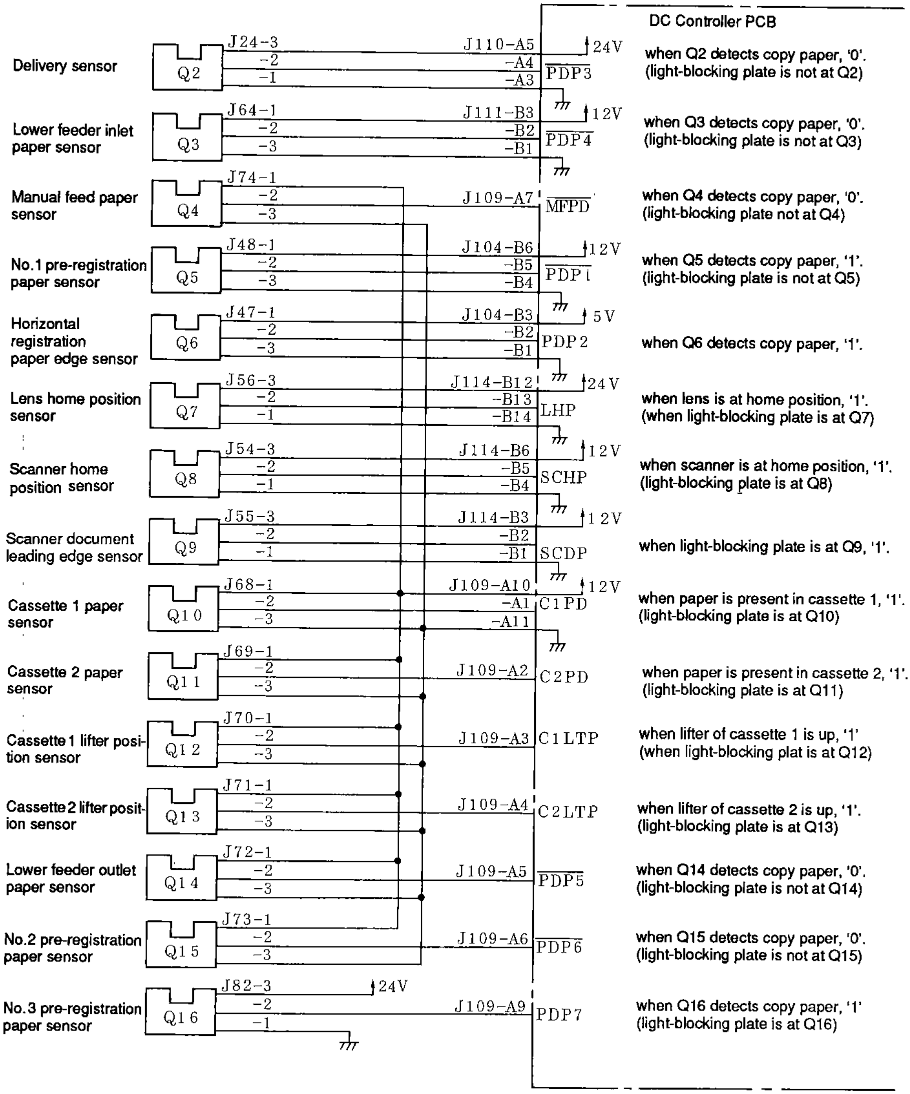

<Sensor block>
<Control block>
<Loads>
Sensors, Switches
LCD control panel
RDF
Sorter
Sensors, Switches
Cassette pedestal controller
Main CPU (Q223)
LCDC (Q215)
RAM (Q218)
IPC (Q199)
Gate array (Q212)
ROM (Q206)
Calender IC (Q207)
RAM (Q217)
BAT101
D/A converter (Q176)
Sub CPU (Q221)
DC controller PCB
DC loads
Motor, Fan, Solenoid, Clutch, Counter, Lamp
AC loads
Heater
Lamp regulator
Scanning lamp
HVT DC
Primary/Transfer corona assembly, Grid bias, Development bias
HVTAC
Separation/ Pre-transfer corona assembly
Cassette pedestal controller
DC loads
Motor, Solenoid

Figure 3-2

C. Inputs to DC Controller

1. Inputs to DC Controller (1/3)


DC Controller PCB
Delivery sensor
Q2
J24-3
-2
-1
J110-A5
-A4
-A3
24V
PDP3
Lower feeder inlet paper sensor
Q3
J64-1
-2
-3
J111-B3
-B2
-B1
12V
PDP4
Manual feed paper sensor
Q4
J74-1
-2
-3
J109-A7
MFPD
No.1 pre-registration paper sensor
Q5
J48-1
-2
-3
J104-B6
-B5
-B4
12V
PDP1
Horizontal registration paper edge sensor
Q6
J47-1
-2
-3
J104-B3
-B2
-B1
5V
PDP2
Lens home position sensor
Q7
J56-3
-2
-1
J114-B12
-B13
-B14
24V
LHP
Scanner home position sensor
Q8
J54-3
-2
-1
J114-B6
-B5
-B4
12V
SCHP
Scanner document leading edge sensor
Q9
J55-3
-2
-1
J114-B3
-B2
-B1
12V
SCDP
Cassette 1 paper sensor
Q10
J68-1
-2
-3
J109-A10
-A1
-A11
12V
C1PD
Cassette 2 paper sensor
Q11
J69-1
-2
-3
J109-A2
C2PD
Cassette 1 lifter position sensor
Q12
J70-1
-2
-3
J109-A3
C1LTP
Cassette 2 lifter position sensor
Q13
J71-1
-2
-3
J109-A4
C2LTP
Lower feeder outlet paper sensor
Q14
J72-1
-2
-3
J109-A5
PDP5
No.2 pre-registration paper sensor
Q15
J73-1
-2
-3
J109-A6
PDP6
No.3 pre-registration paper sensor
Q16
J82-3
-2
-1
24V
J109-A9
PDP7

when Q2 detects copy paper, '0'. (light-blocking plate is not at Q2)

when Q3 detects copy paper, '0'. (light-blocking plate is not at Q3)

when Q4 detects copy paper, '0'. (light-blocking plate not at Q4)

when Q5 detects copy paper, '1'. (light-blocking plate is not at Q5)

when Q6 detects copy paper, '1'.

when lens is at home position, '1'. (when light-blocking plate is at Q7)

when scanner is at home position, '1'. (light-blocking plate is at Q8)

when light-blocking plate is at Q9, '1'.

when paper is present in cassette 1, '1'. (light-blocking plate is at Q10)

when paper is present in cassette 2, '1'. (light-blocking plate is at Q11)

when lifter of cassette 1 is up, '1' (when light-blocking plat is at Q12)

when lifter of cassette 2 is up, '1'. (light-blocking plate is at Q13)

when Q14 detects copy paper, '0'. (light-blocking plate is not at Q14)

when Q15 detects copy paper, '0'. (light-blocking plate is not at Q15)

when Q16 detects copy paper, '1' (light-blocking plate is at Q16)

Figure 3-3

2. Inputs to DC Controller (2/3)

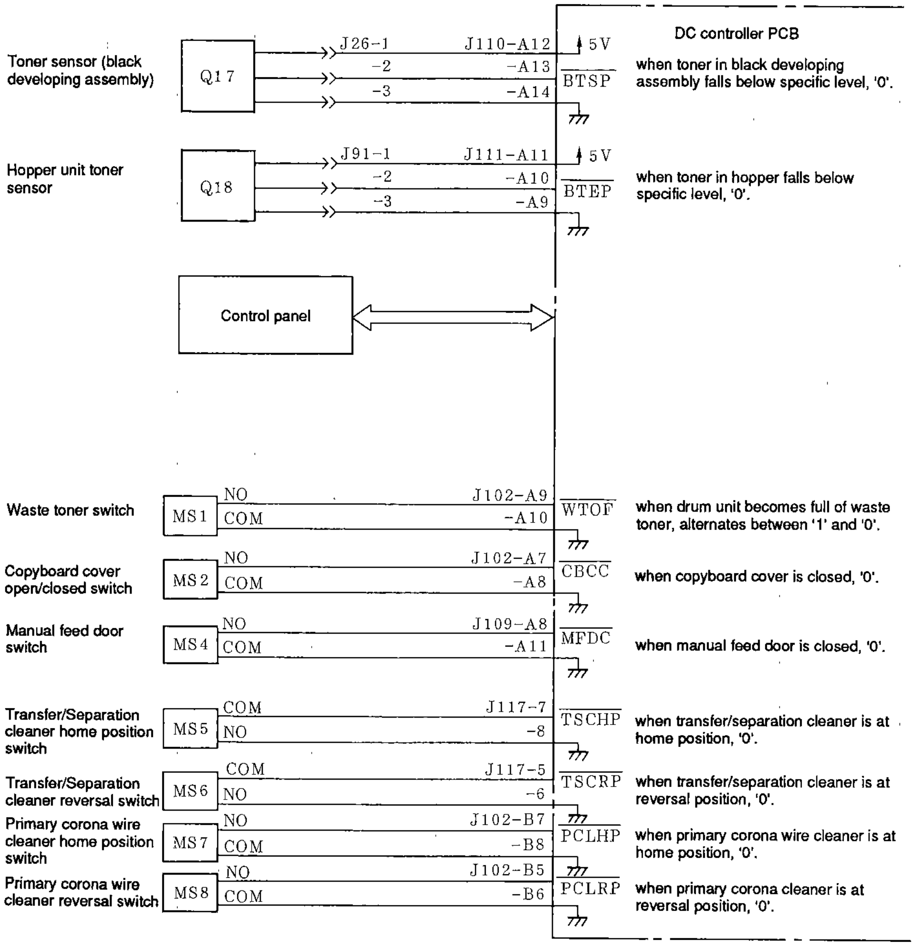
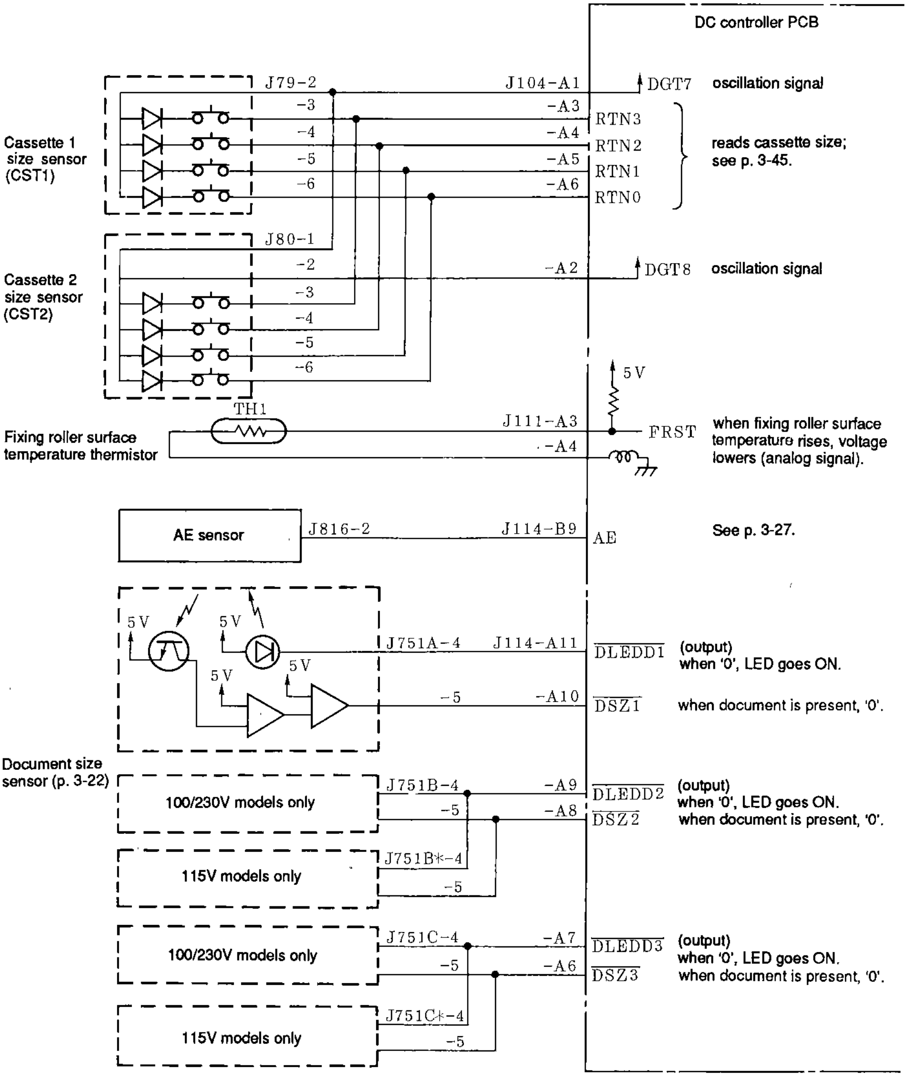

DC controller PCB
Toner sensor (black developing assembly)
Q17
J26-1
-2
-3
J110-A12
-A13
-A14
5V
BTSP
when toner in black developing assembly falls below specific level, '0'.
Hopper unit toner sensor
Q18
J91-1
-2
-3
J111-A11
-A10
-A9
5V
BTEP
when toner in hopper falls below specific level, '0'.
Control panel
Waste toner switch
MS1
NO
COM
J102-A9
-A10
WTOF
when drum unit becomes full of waste toner, alternates between '1' and '0'.
Copyboard cover open/closed switch
MS2
NO
COM
J102-A7
-A8
CBCC
when copyboard cover is closed, '0'.
Manual feed door switch
MS4
NO
COM
J109-A8
-A11
MFDC
when manual feed door is closed, '0'.
Transfer/Separation cleaner home position switch
MS5
COM
NO
J117-7
-8
TSCHP
when transfer/separation cleaner is at home position, '0'.
Transfer/Separation cleaner reversal switch
MS6
COM
NO
J117-5
-6
TSCRP
when transfer/separation cleaner is at reversal position, '0'.
Primary corona wire cleaner home position switch
MS7
NO
COM
J102-B7
-B8
PCLHP
when primary corona wire cleaner is at home position, '0'.
Primary corona wire cleaner reversal switch
MS8
NO
COM
J102-B5
-B6
PCLRP
when primary corona cleaner is at reversal position, '0'.

Figure 3-4

3. Inputs to DC Controller (3/3)


DC controller PCB
J79-2
-3
-4
-5
-6
J104-A1
-A3
-A4
-A5
-A6
DGT7
oscillation signal
RTN3
RTN2
RTN1
RTN0
reads cassette size; see p. 3-45.
Cassette 1 size sensor (CST1)
J80-1
-2
-3
-4
-5
-6
-A2
DGT8
oscillation signal
Cassette 2 size sensor (CST2)
5V
TH1
J111-A3
-A4
FRST
Fixing roller surface temperature thermistor
when fixing roller surface temperature rises, voltage lowers (analog signal).
AE sensor
J816-2
J114-B9
AE
See p. 3-27.
5V
5V
5V
5V
J751A-4
J114-A11
DLEDD1
(output) when '0', LED goes ON.
-5
-A10
DSZ1
when document is present, '0'.
Document size sensor (p. 3-22)
100/230V models only
J751B-4
-5
-A9
-A8
DLEDD2
DSZ2
(output) when '0', LED goes ON.
when document is present, '0'.
115V models only
J751B*-4
-5
100/230V models only
J751C-4
-5
-A7
-A6
DLEDD3
DSZ3
(output) when '0', LED goes ON.
when document is present, '0'.
115V models only
J751C*-4
-5

ABC refers to metric; AB* or C*, to inch.

Figure 3-5

4. Inputs to DC Controller (cassette feeding unit)

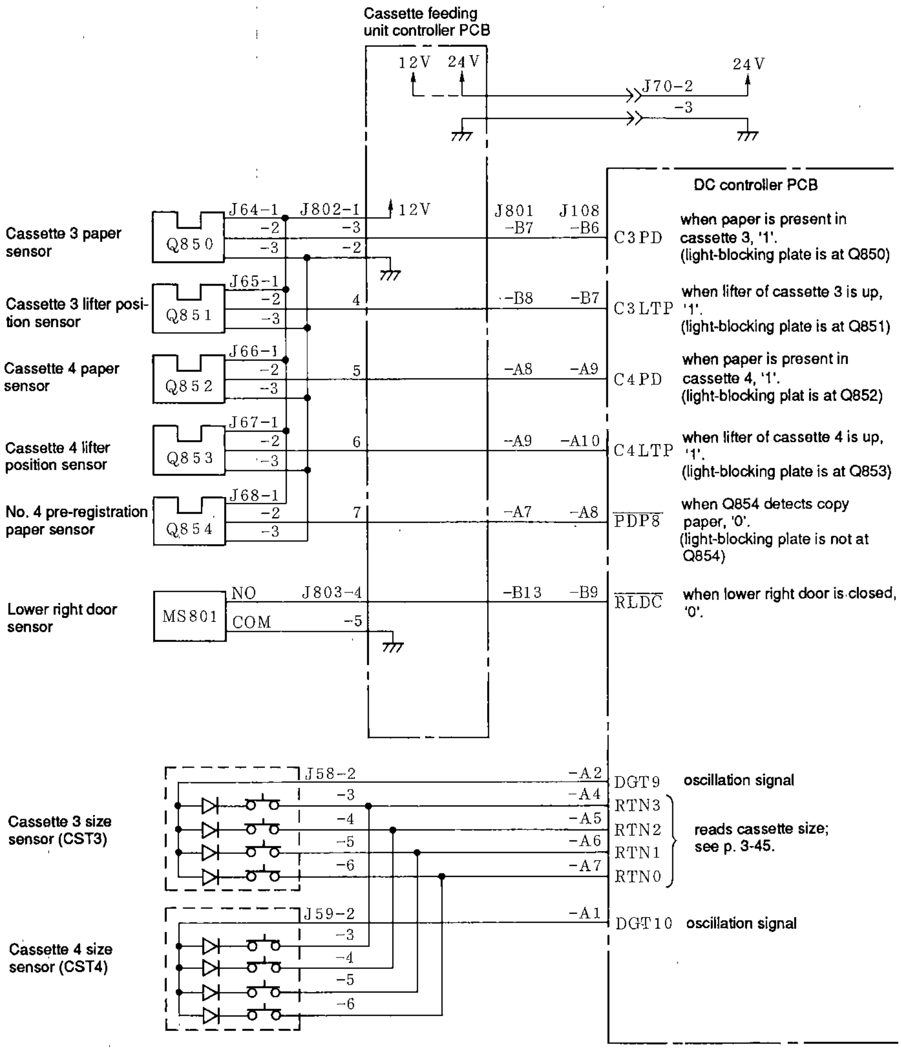

Cassette feeding unit controller PCB
12V
24V
24V
J70-2
-3
DC controller PCB
Cassette 3 paper sensor
Q850
J64-1
-2
-3
J802-1
-3
-2
12V
J801
-B7
J108
-B6
C3PD
when paper is present in cassette 3, '1'. (light-blocking plate is at Q850)
Cassette 3 lifter position sensor
Q851
J65-1
-2
-3
4
-B8
-B7
C3LTP
when lifter of cassette 3 is up, '1'. (light-blocking plate is at Q851)
Cassette 4 paper sensor
Q852
J66-1
-2
-3
5
-A8
-A9
C4PD
when paper is present in cassette 4, '1'. (light-blocking plat is at Q852)
Cassette 4 lifter position sensor
Q853
J67-1
-2
-3
6
-A9
-A10
C4LTP
when lifter of cassette 4 is up, '1'. (light-blocking plate is at Q853)
No. 4 pre-registration paper sensor
Q854
J68-1
-2
-3
7
-A7
-A8
PDP8
when Q854 detects copy paper, '0'. (light-blocking plate is not at Q854)
Lower right door sensor
MS801
NO
COM
J803-4
-5
-B13
-B9
RLDC
when lower right door is closed, '0'.
Cassette 3 size sensor (CST3)
J58-2
-3
-4
-5
-6
-A2
-A4
-A5
-A6
-A7
DGT9
oscillation signal
RTN3
RTN2
RTN1
RTN0
reads cassette size; see p. 3-45.
Cassette 4 size sensor (CST4)
J59-2
-3
-4
-5
-6
-A1
DGT10
oscillation signal

Figure 3-6

D. Outputs from DC Controller

1. Outputs from DC Controller (1/4)

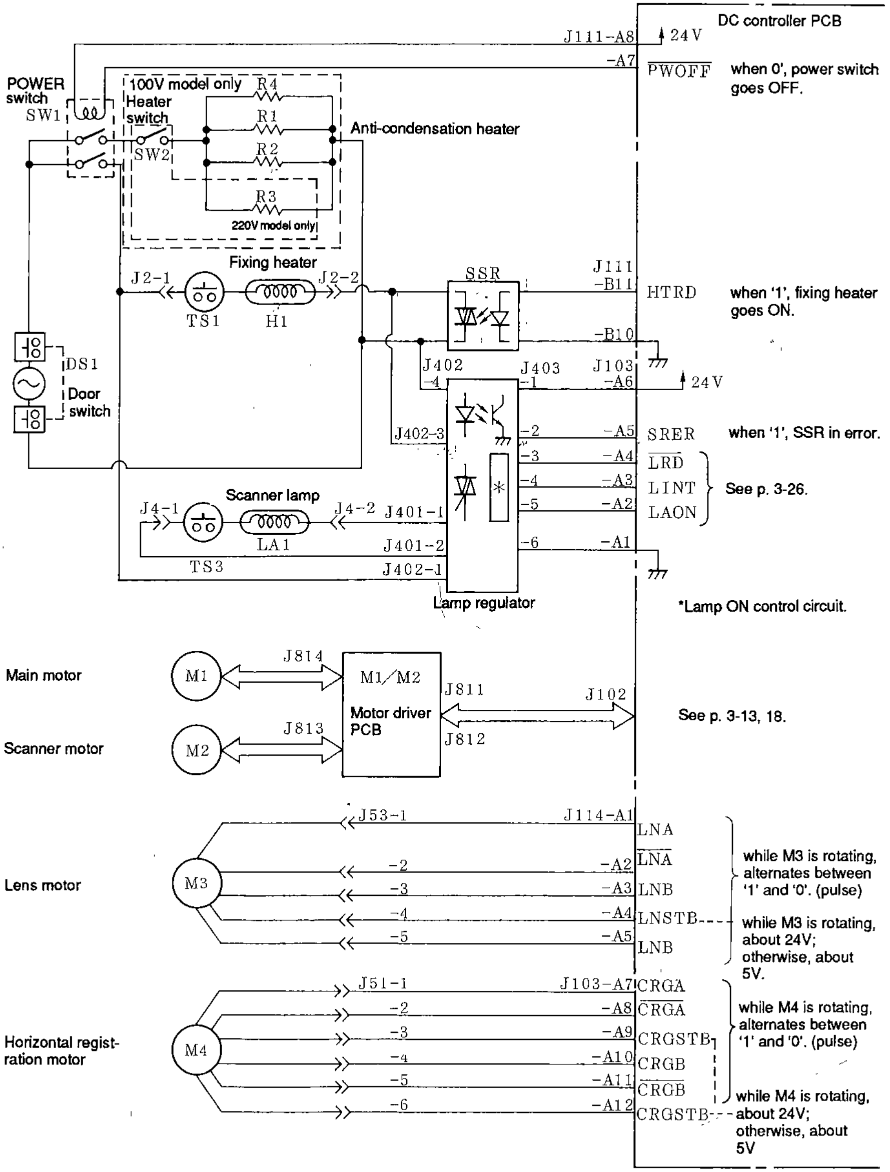

DC controller PCB
J111-A8
24V
-A7
PWOFF
when 0', power switch goes OFF.
POWER switch
SW1
100V model only
Heater switch
SW2
R4
R1
R2
R3
220V model only
Anti-condensation heater
Fixing heater
J2-1
J2-2
TS1
H1
SSR
J111
-B11
HTRD
when '1', fixing heater goes ON.
-B10
DS1
Door switch
J402
-4
J403
-1
J103
-A6
24V
J402-3
-2
-A5
SRER
when '1', SSR in error.
-3
-A4
LRD
-4
-A3
LINT
-5
-A2
LAON
See p. 3-26.
-6
-A1
Scanner lamp
J4-1
J4-2
J401-1
LA1
J401-2
TS3
J402-1
Lamp regulator
*Lamp ON control circuit.
Main motor
M1
J814
M1/M2
Motor driver PCB
J811
J102
J812
J813
Scanner motor
M2
See p. 3-13, 18.
J53-1
J114-A1
LNA
-2
-A2
LNA
-3
-A3
LNB
-4
-A4
LNSTB
-5
-A5
LNB
Lens motor
M3
while M3 is rotating, alternates between '1' and '0'. (pulse)
while M3 is rotating, about 24V; otherwise, about 5V.
J51-1
J103-A7
CRGA
-2
-A8
CRGA
-3
-A9
CRGSTB
-4
-A10
CRGB
-5
-A11
CRGB
-6
-A12
CRGSTB
Horizontal registration motor
M4
while M4 is rotating, alternates between '1' and '0'. (pulse)
while M4 is rotating, about 24V; otherwise, about 5V

Figure 3-7

2. Outputs from DC Controller (2/4)

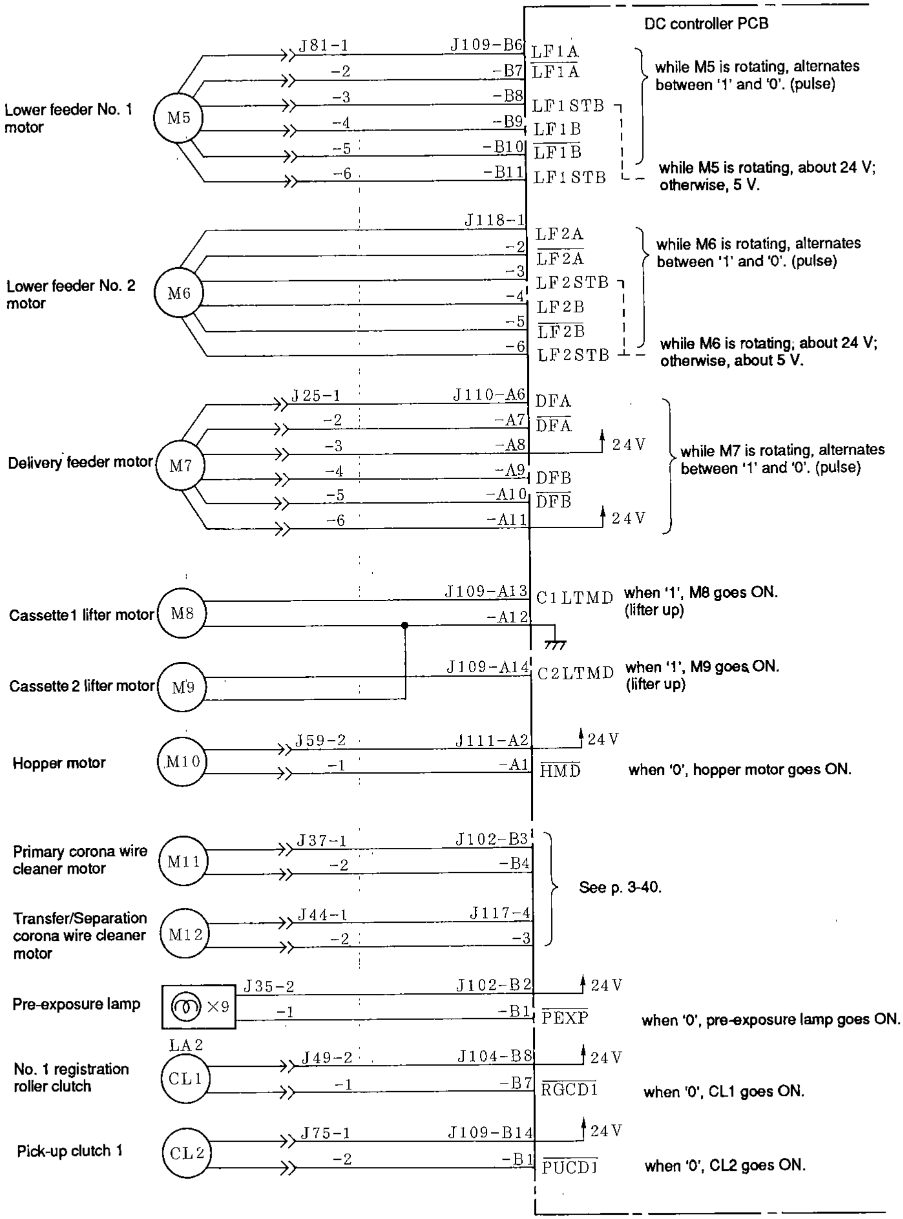

DC controller PCB
Lower feeder No. 1 motor
M5
J81-1
-2
-3
-4
-5
-6
J109-B6
-B7
-B8
-B9
-B10
-B11
LF1A
LF1A
LF1STB
LF1B
LF1B
LF1STB
while M5 is rotating, alternates between '1' and '0'. (pulse)
while M5 is rotating, about 24 V; otherwise, 5 V.
Lower feeder No. 2 motor
M6
J118-1
-2
-3
-4
-5
-6
LF2A
LF2A
LF2STB
LF2B
LF2B
LF2STB
while M6 is rotating, alternates between '1' and '0'. (pulse)
while M6 is rotating, about 24 V; otherwise, about 5 V.
Delivery feeder motor
M7
J25-1
-2
-3
-4
-5
-6
J110-A6
-A7
-A8
-A9
-A10
-A11
DFA
DFA
24V
DFB
DFB
24V
while M7 is rotating, alternates between '1' and '0'. (pulse)
Cassette 1 lifter motor
M8
J109-A13
-A12
C1LTMD
when '1', M8 goes ON. (lifter up)
Cassette 2 lifter motor
M9
J109-A14
C2LTMD
when '1', M9 goes ON. (lifter up)
Hopper motor
M10
J59-2
-1
J111-A2
-A1
24V
HMD
when '0', hopper motor goes ON.
Primary corona wire cleaner motor
M11
J37-1
-2
J102-B3
-B4
Transfer/Separation corona wire cleaner motor
M12
J44-1
-2
J117-4
-3
See p. 3-40.
Pre-exposure lamp
×9
LA2
J35-2
-1
J102-B2
-B1
24V
PEXP
when '0', pre-exposure lamp goes ON.
No. 1 registration roller clutch
CL1
J49-2
-1
J104-B8
-B7
24V
RGCD1
when '0', CL1 goes ON.
Pick-up clutch 1
CL2
J75-1
-2
J109-B14
-B1
24V
PUCD1
when '0', CL2 goes ON.

Figure 3-8

3. Outputs from DC Controller (3/4)

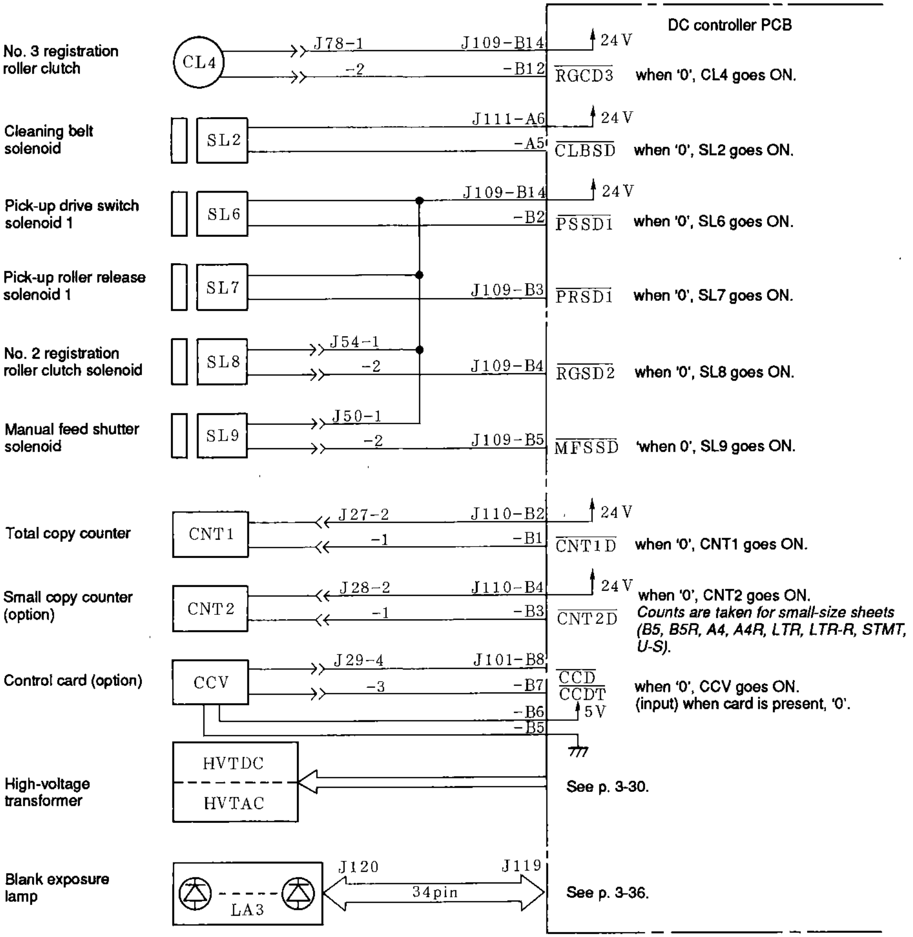

DC controller PCB
No. 3 registration roller clutch
CL4
J78-1
-2
J109-B14
-B12
24 V
RGCD3
when '0', CL4 goes ON.
Cleaning belt solenoid
SL2
J111-A6
-A5
24 V
CLBSD
when '0', SL2 goes ON.
Pick-up drive switch solenoid 1
SL6
J109-B14
-B2
24 V
PSSD1
when '0', SL6 goes ON.
Pick-up roller release solenoid 1
SL7
J109-B3
PRSD1
when '0', SL7 goes ON.
No. 2 registration roller clutch solenoid
SL8
J54-1
-2
J109-B4
RGSD2
when '0', SL8 goes ON.
Manual feed shutter solenoid
SL9
J50-1
-2
J109-B5
MFSSD
'when 0', SL9 goes ON.
Total copy counter
CNT1
J27-2
-1
J110-B2
-B1
24 V
CNT1D
when '0', CNT1 goes ON.
Small copy counter (option)
CNT2
J28-2
-1
J110-B4
-B3
24 V
CNT2D
when '0', CNT2 goes ON.
Counts are taken for small-size sheets (B5, B5R, A4, A4R, LTR, LTR-R, STMT, U-S).
Control card (option)
CCV
J29-4
-3
J101-B8
-B7
-B6
-B5
CCD
CCDT
5 V
when '0', CCV goes ON.
(input) when card is present, '0'.
High-voltage transformer
HVTDC
HVTAC
See p. 3-30.
Blank exposure lamp
LA3
J120
J119
34pin
See p. 3-36.

Figure 3-9

4. Outputs from DC Controller (4/4)

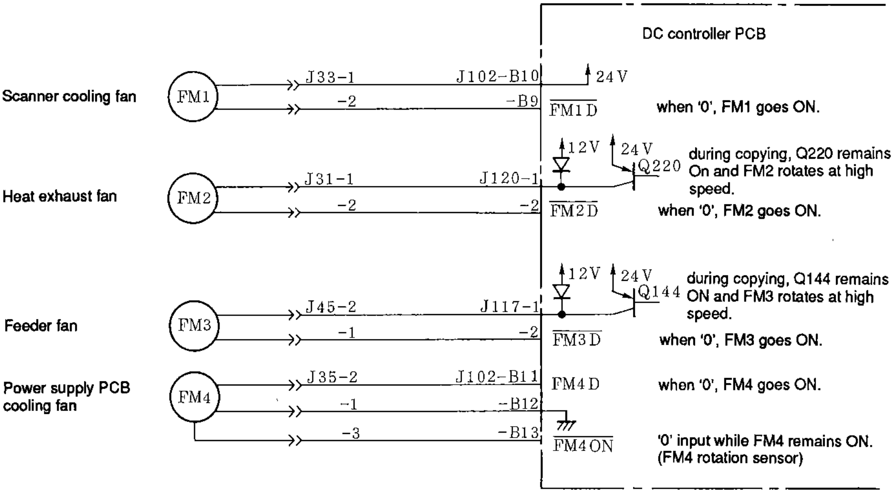

DC controller PCB
Scanner cooling fan
FM1
J33-1
-2
J102-B10
-B9
24V
$\overline{\text{FM1 D}}$
when '0', FM1 goes ON.
Heat exhaust fan
FM2
J31-1
-2
J120-1
-2
12V
24V
Q220
during copying, Q220 remains On and FM2 rotates at high speed.
$\overline{\text{FM2 D}}$
when '0', FM2 goes ON.
Feeder fan
FM3
J45-2
-1
J117-1
-2
12V
24V
Q144
during copying, Q144 remains ON and FM3 rotates at high speed.
$\overline{\text{FM3 D}}$
when '0', FM3 goes ON.
Power supply PCB cooling fan
FM4
J35-2
-1
-3
J102-B11
-B12
-B13
FM4 D
when '0', FM4 goes ON.
$\overline{\text{FM4 ON}}$
'0' input while FM4 remains ON. (FM4 rotation sensor)

Figure 3-10

5. Outputs from DC Controller (cassette feeding unit)

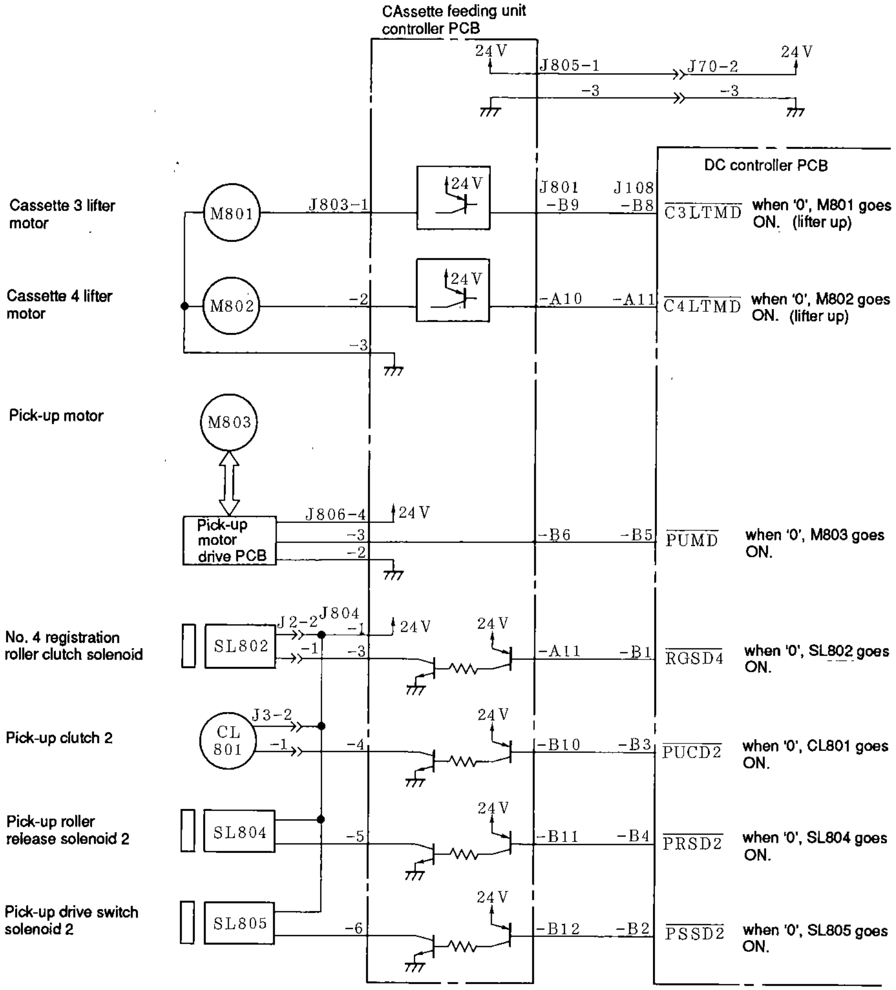

CAssette feeding unit controller PCB
24V
J805-1
-3
J70-2
-3
24V
DC controller PCB
Cassette 3 lifter motor
M801
J803-1
24V
J801
-B9
J108
-B8
C3LTMD
when '0', M801 goes ON. (lifter up)
Cassette 4 lifter motor
M802
-2
24V
-A10
-A11
C4LTMD
when '0', M802 goes ON. (lifter up)
-3
Pick-up motor
M803
Pick-up motor drive PCB
J806-4
-3
-2
24V
-B6
-B5
PUMD
when '0', M803 goes ON.
No. 4 registration roller clutch solenoid
SL802
J2-2
-1
J804
-1
-3
24V
24V
-A11
-B1
RGSD4
when '0', SL802 goes ON.
Pick-up clutch 2
CL 801
J3-2
-1
-4
24V
-B10
-B3
PUCD2
when '0', CL801 goes ON.
Pick-up roller release solenoid 2
SL804
-5
24V
-B11
-B4
PRSD2
when '0', SL804 goes ON.
Pick-up drive switch solenoid 2
SL805
-6
24V
-B12
-B2
PSSD2
when '0', SL805 goes ON.

Figure 3-11

E. Main Motor Control Circuit

1. Outline

Figure 3-12 shows the circuit that controls the main motor (M1), and the circuit has the following functions:

① Turns the main motor ON and OFF.
② Controls the main motor at constant speed.

The main motor (M1) is a DC motor with a built-in clock pulse generator. When the motor rotates, clock pulses (MMCLK) suited to the revolution of the motor are generated. The speed control circuit controls the motor speed using these clock pulses.

2. Mechanism

When the main motor drive command ($\overline{\text{MMD}}$) from the DC controller PCB goes '0', the drive circuit of the motor driver goes ON, thereby rotating the main motor.

The DC controller circuit monitors the main motor for an error by checking the PLL lock signal ($\overline{\text{M1LK}}$).

If the PLL lock signal ($\overline{\text{M1LK}}$) remains '1' for more than a specific period of time, 'E010' will be indicated on the control panel.

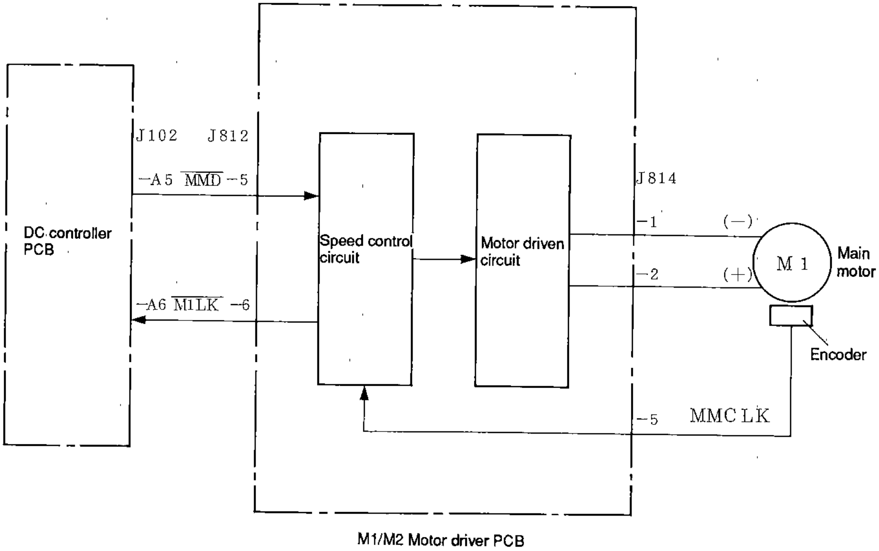
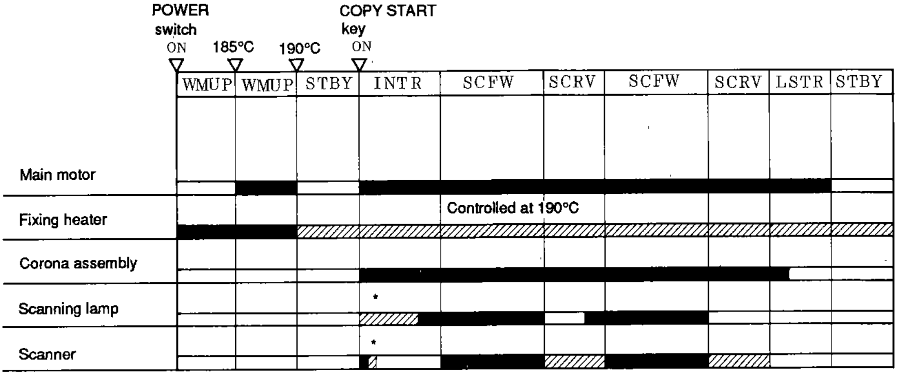

DC controller PCB
J102
J812
-A5 MMD -5
-A6 M1LK -6
Speed control circuit
Motor driven circuit
J814
-1
-2
-5
(−)
(+)
M 1
Main motor
Encoder
MMCLK
M1/M2 Motor driver PCB

Figure 3-12

F. Sequence of Operations



• The lamp goes ON and the scanner moves back and forth only when in the AE mode.

Figure 3-13

Period		Description	Remarks
WMUP (warm-up)	From when the POWER switch is pressed until when the temperature of the fixing roller reaches 185°C.	Waits for the fixing roller to warm up.	The warm-up time varies depending on the temperature of the fixing roller.
WMUPR (warm-up rotation)	From when the temperature of the fixing roller reaches 185°C to when it reaches 190°C; 6 sec min.	Evens out the temperature of the fixing roller.	Upon completion of WMUPR, the message on the display changes from 'WAIT' to 'READY'.
INTR (initial rotation)	For at least 1.5 sec after the COPY START key is pressed.	Stabilizes the sensitivity of the drum in preparation for copying operation.	
		Moves the scanner back and forth about 15 mm to measure the density of the document.	The operation applies to the AE mode only.

Table 3-1A

Period		Description	Remarks
SCFW (scanner forward)	While the scanner is moving forward. • The distance varies depending on the size of the cassette and the reproduction ratio selected. • The speed varies depending on the reproduction ratio selected.	Exposes the document by the scanning lamp, and the reflected optical image is directed to the photosensitive drum through mirrors and lens.	The registration signal is generated, and the copy paper is forwarded to the transfer assembly.
SCRV (scanner reverse)	While the scanner is moving in reverse.	Returns the scanner to the home position.	
LSTR (last rotation)	From when SCRV is completed to when the copy paper has passed the delivery sensor.	Cleans the drum surface electrostatically as post-copying processing.	The last copy is discharged.
STBY (standby)	From when LSTR is completed to when the COPY START key is pressed or when the machine is turned OFF.	Waits for a key operation, e.g., a press on the COPY START key.	• The indicators on the control panel returns to the standard mode 2 min after the completion of LSTR. • If the auto start mode* is activated, copying will start after LSTR. * *Documents are sed during the wait period and the COPY START key is pressed.*

Table 3-1B

II. EXPOSURE SYSTEM

A. Varying the Reproduction Ratio

The reproduction ratio across the drum (axial) is varied by the lens drive system; that around the drum (circumferential) is varied by the scanner drive system.

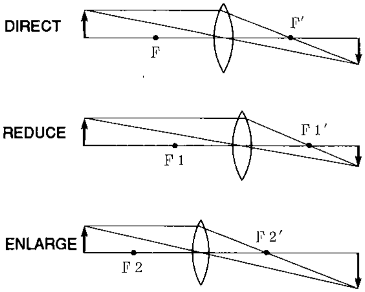
The lens drive system consists of a zoom lens which is moved back and forth to change the focal distance, thereby varying the reproduction ratio across the drum.

The scanner drive system changes the speed of the movement of the No. 1 mirror to vary the reproduction ratio around the drum; faster than the drum speed for reduction, and slower for enlargement.

Note:

i. In the DIRECT mode, the speed of the No. 1 mirror and the circumferential speed of the drum are the same.

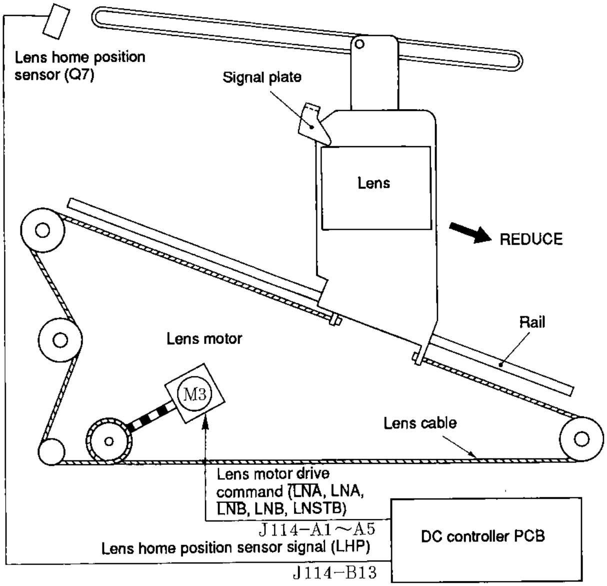
ii. In this copier, mirror-to-mirror relocation is not used to change reproduction ratios.



DIRECT
F
F'
REDUCE
F1
F1'
ENLARGE
F2
F2'

Figure 3-14

B. Lens Drive System



Lens home position sensor (Q7)
Signal plate
Lens
REDUCE
Rail
Lens motor
M3
Lens cable
Lens motor drive command (LNA, LNA, LNB, LNB, LNSTB)
J114-A1~A5
Lens home position sensor signal (LHP)
J114-B13
DC controller PCB

Figure 3-15

1. Outline

The lens assembly is driven by the lens motor (M3).

When the machine is switched ON, the motor always rotates in reverse, thereby moving the lens to a point at which the signal plate blocks the home position sensor. When the lens reaches the home position, the motor starts to rotate clockwise, and the motor stops after the signal plate has left the sensor and a specific number of pulses have been generated; this will set the lens to the DIRECT position.

To move the lens in the ENLARGE direction (e.g., from REDUCE to ENLARGE), the motor is rotated counterclockwise first, moving the lens past the position for the selected reproduction ratio; thereafter, the motor starts to rotate clockwise, thereby moving the lens back to the position for the selected reproduction ratio. Stopping the lens with the motor rotating clockwise ensures correct positioning of the lens.

2. Lens Motor Drive Circuit

The lens motor is a stepping motor and is rotated by the LNSTB signal and pulse signals ($\overline{\text{LNA}}$, LNA, $\overline{\text{LNB}}$, LNB).

When the lens motor is rotating, LNSTB is 24 V; the motor rotates when the above pulses are applied to each phase in sequence.

When the lens motor is at rest, LNSTB is 5 V; the motor is still provided with power so as to maintain the position of the lens.

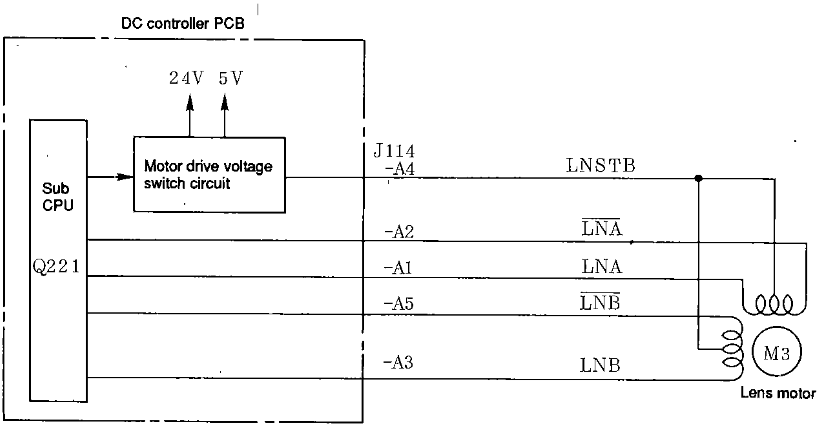


Figure 3-16

C. Scanner Drive System

1. Outline

The scanner motor is a DC motor and is equipped with a built-in clock pulse generator.

The direction of its rotation is changed to move the scanner forward or in reverse; the speed of its rotation when moving the scanner forward is varied to suit the reproduction ratio.

The speed of its rotation when moving the scanner in reverse is constant and is maintained three times the speed at which the scanner is moved forward in the DIRECT mode.

The motor is braked when the signal plate reaches the photointerrupter (Q9) to stop the scanner at the home position.

The distance over which the scanner moves is varied to suit the size of copy paper and the selected reproduction ratio.

2. Mechanism

The motor driver circuit controls the direction and speed of the scanner motor based on the following signals generated by the microprocessor on the DC controller:

- scanner motor drive command (SCMD)
- scanner forward command (SCFW)
- scanner speed control command (SCCLK)

The motor driver circuit operates as shown in Table 3-2 based on the combinations of SCMD and SCFW.

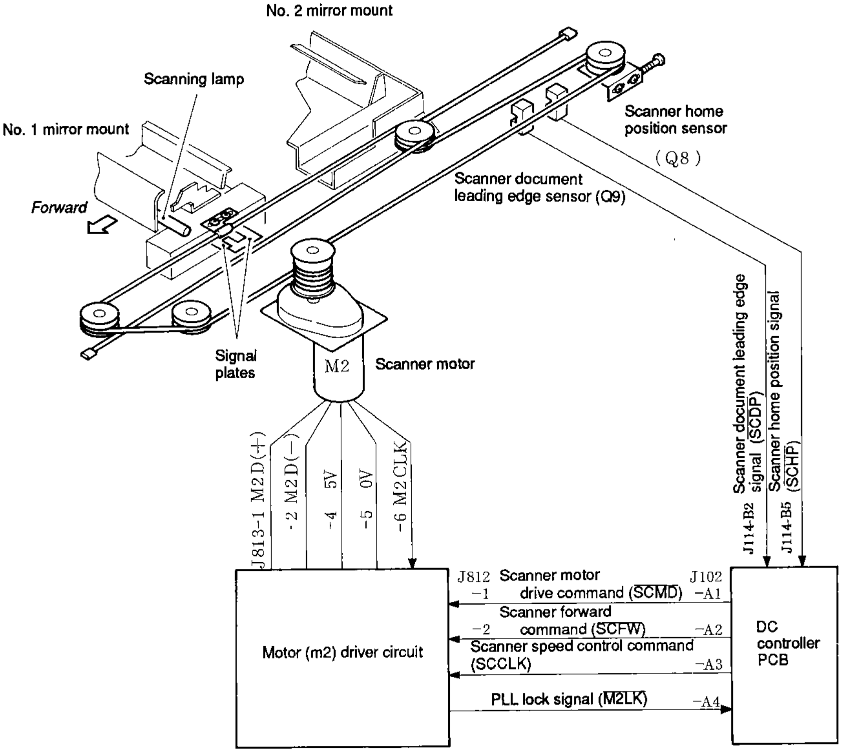

No. 2 mirror mount
Scanning lamp
No. 1 mirror mount
Forward
Scanner home position sensor
(Q8)
Scanner document leading edge sensor (Q9)
Signal plates
M2
Scanner motor
J813-1 M2D(+)
-2 M2D(−)
-4 5V
-5 0V
-6 M2CLK
J114-B2
Scanner document leading edge signal (SCDP)
J114-B5
Scanner home position signal (SCHP)
Motor (m2) driver circuit
J812
Scanner motor
J102
-1
drive command (SCMD)
-A1
Scanner forward
-2
command (SCFW)
-A2
Scanner speed control command
(SCCLK)
-A3
PLL lock signal (M2LK)
-A4
DC controller PCB

Figure 3-17

	$\overline{\text{SCMD}}$	$\overline{\text{SCFW}}$
Forward	0	0
Reverse	0	1
Braking	0	*
Still	1	**

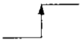
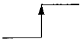
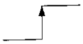
*'1' and '0' are reversed from previous combination.
**'1' and '0' are maintained.

Table 3-2

When the scanner is moving forward, the number of SCCLK pulses is varied according to the reproduction ratio selected; when the scanner is moved in reverse, however, the number remains the same. The motor driver circuit compares the scanner motor clock pulse (M2CLK) against the number of SCCLK pulses and exerts control so that they match.

The machine will indicate 'E203' if the PLL lock signal ($\overline{\text{M2LK}}$) remains '1' for more than a specific period of time.

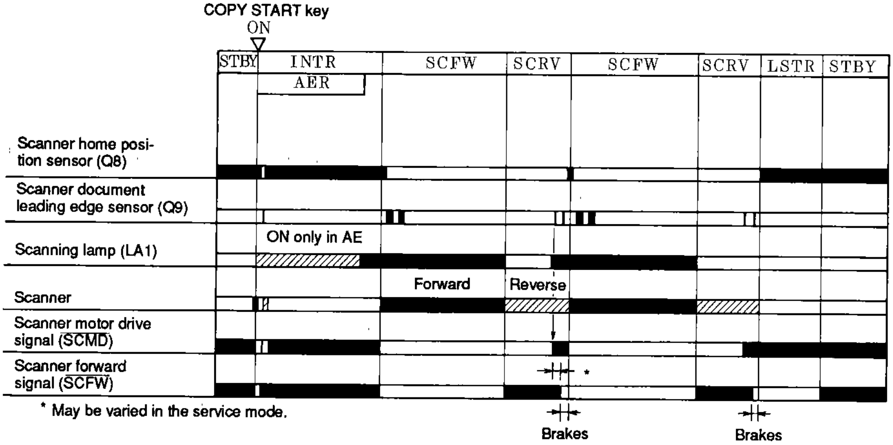
3. Relationship between Scanner Sensors and Signals

Scanner sensor	Signal	Scanner		Description
		Forward	Reverse	
Q8	SCHP			The scanner is at the home position.
Q9	SCDP	 1st		• The scanner is reversed after the measurements of the document density are read in the AE mode.
		 2nd		• 0.3 sec* thereafter, the No.1 registration roller clutch goes ON. • This serves as the reference for the forward movement of the scanner.
			 1st	• The reverse movement of the scanner stops. • About 2.5 msec* thereafter, the scanner is braked.

*May be varied in the service mode.

Table 3-3

4. Sequence of Operations (scanner)



* May be varied in the service mode.

Figure 3-18

5. Sequence of Operations (two-page separation)

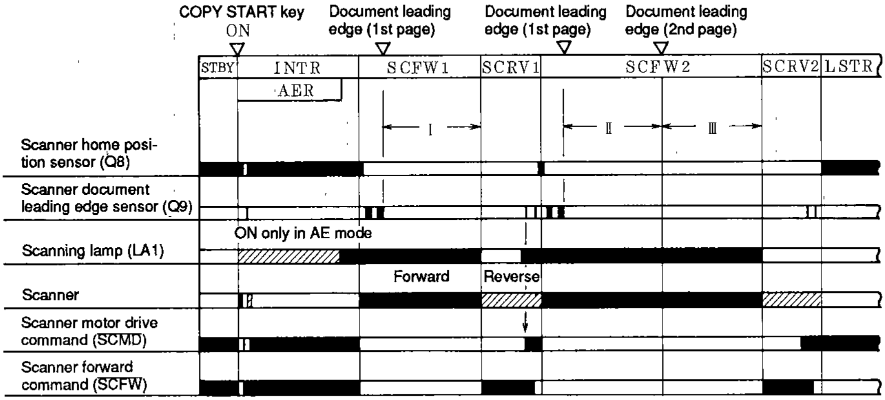

COPY START key ON
Document leading edge (1st page)
Document leading edge (1st page)
Document leading edge (2nd page)
STBY
INTR
AER
SCFW1
SCRV1
SCFW2
SCRV2
LSTR
I
II
III
Scanner home position sensor (Q8)
Scanner document leading edge sensor (Q9)
ON only in AE mode
Scanning lamp (LA1)
Forward
Reverse
Scanner
Scanner motor drive command (SCMD)
Scanner forward command (SCFW)

Figure 3-19

I, II, and III shown in Figure 3-19 are controlled by the microprocessor on the DC controller PCB based on the scanner document leading edge (falling edge of SCDP) for the first page.

The microprocessor determines the distance over which the scanner should move based on the size of the document or the size of the selected cassette.

I, II: The distance over which the scanner moves is determined by the reproduction ratio selected and the size of the document or the size of the cassette.

III: When the size of the document is identified, the microprocessor divides the measurement by 2 and assumes the result of division to be the center of the document.
The scanner is moved assuming the center to be the leading edge of the document.
If continuous copying is executed without identifying the size of the document, the size of the cassette will be used as reference for control.
If II in Figure 3-19 exceeds about 216 mm, 216 mm (approx.) will be assumed to be the leading edge of the second page.
If the sequence of copying the first and second pages is changed in the asterisk mode, the mechanism remains the same except that the sequence of SCFW2/SCRV2 and SCFW1/SCRV1 will be different.

Note:
If two or more modes are selected, the scanner is controlled based on the minimum measurement of the document.
The microprocessor exerts control based on the document size only when the modes in Table 3-4 are selected.

Mode	Document size (reference)
FEEDER (with RDF in use)	document size identified by feeder; the identified size may be checked in the service mode (DF-SIZE; ✱ 1 ✱).
DOCUMENT FRAME ERASE	document size specified by user
AUTO REPRO or AUTO PAPER SELECT	document size identified by copier

Table 3-4

D. Controlling the Document Size Identification

1. Outline

The machine is equipped with auto paper selection and auto reproduction ratio selection mechanisms and, to enable these modes, the size of the document must be identified.

Figure 3-20 shows the three document sensor circuits attached under the copyboard glass. When the copyboard cover is brought down, the outputs of the document sensor circuits are checked, and the measurements are used to identify the size of the document as being A3, B4, A4, or B5 (standard sizes).

These document sensor circuits cause LEDs to emit light against the document, and the reflected light is monitored by phototransistors, whose outputs are sent to the DC controller.

2. Mechanism

When the copyboard cover is brought down to about 30 degrees, the microswitch (MS2) attached to the rear of the machine goes ON.

For a period of 15 sec after MS2 has gone ON or until the COYP START key is pressed, the output of each sensor is read at intervals of 0.1 sec. If no change takes place in the level during the period, i.e., if the sensors do not go ON or OFF, a document is assumed to exist over each respective sensor. The size of the document is then identified based on the combinations shown in Table 3-5.

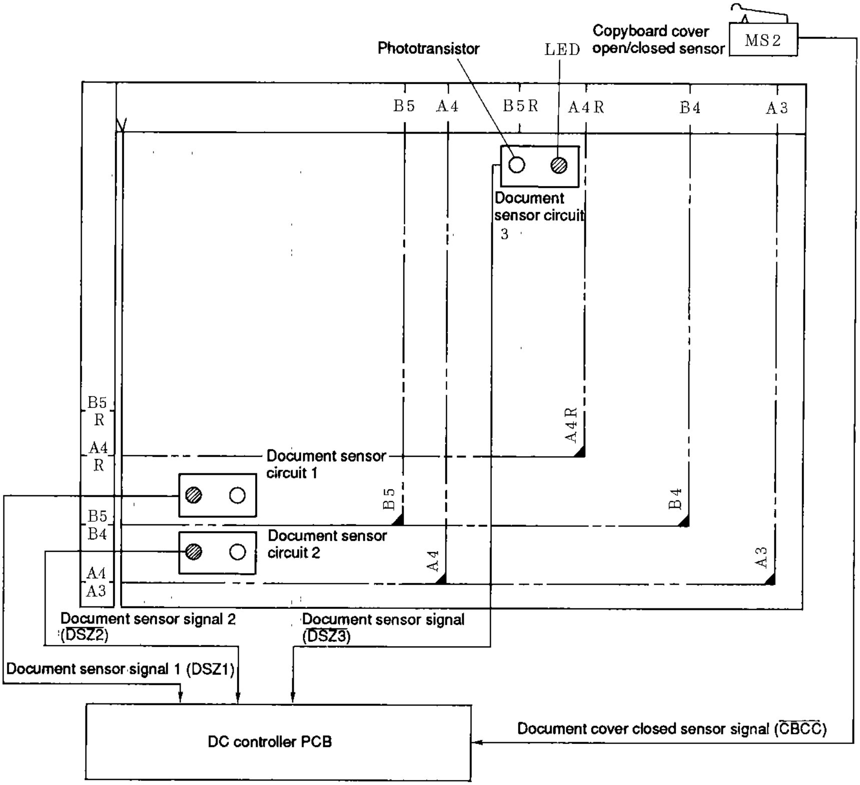

Phototransistor
LED
Copyboard cover open/closed sensor
MS2
B5
A4
B5R
A4R
B4
A3
Document sensor circuit 3
A4R
Document sensor circuit 1
B5
B4
Document sensor circuit 2
A4
A3
B5 R
A4 R
B5 B4
A4 A3
Document sensor signal 2 (DSZ2)
Document sensor signal (DSZ3)
Document sensor signal 1 (DSZ1)
DC controller PCB
Document cover closed sensor signal (CBCC)

Figure 3-20

The mechanism found below ensures identification of sizes even if the density of the documents is appreciably low.

In this mechanism, however, the output levels of the sensors will not vary under conditions a and b below; to compensate for this, if any one of the output levels of the three sensors does not change when MS2 goes ON, the levels of the sensors are compared against the slice level to identify the size of the document.

In the case of c, A3/11"×7" will be selected automatically; if a suitable cassette is not available, the cassette specified in the standard mode will be selected.

a. black document of A3/11"×17"
b. book document (thickness makes the changes in sensor levels too small for detection)
c. copyboard cover not closed (MS2 OFF)

Note:
Conditions give above, i.e., a, b, and c, make correct identification of the document size difficult.

3. Identifying the Document Size

The DC controller PCB identifies the size of the document based on combinations of signal states as shown in Table 3-5.

No.	Document size	Document sensors		
		1	2	3
1	A3	ON	ON	ON
2	B4	ON	OFF	ON
3	A4	ON	ON	OFF
4	B5	ON	OFF	OFF
5	A4R	OFF	OFF	ON
6	B5R	OFF	OFF	OFF

ON: indicates a document is present.
OFF: indicates no document is present.

Table 3-5

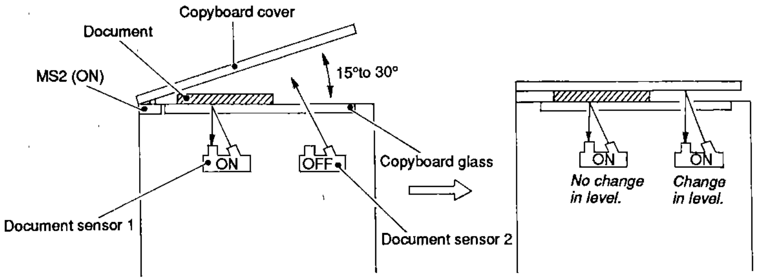


Figure 3-21 Identifying the Size of Documents

III. IMAGE FORMATION SYSTEM

A. Outline

The machine's image formation system consists in the following:

- Controlling the scanning lamp
- Controlling the primary/transfer corona current/ grid bias
- Controlling the pre-transfer/separation corona current
- Controlling the development bias
- Controlling the blank exposure lamp (LED)

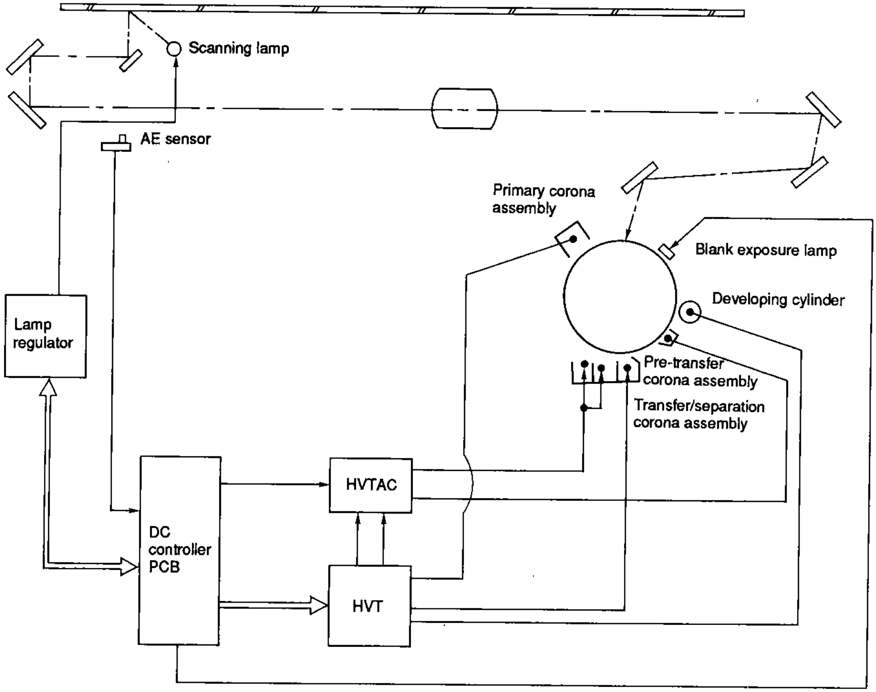
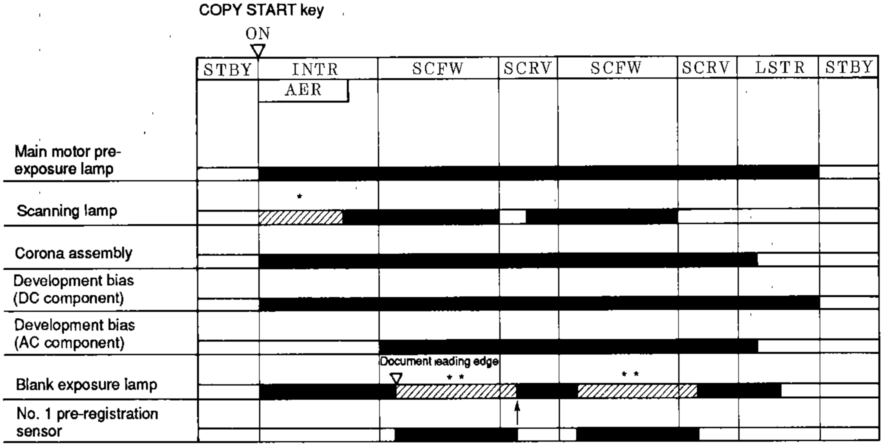

Scanning lamp
AE sensor
Primary corona assembly
Blank exposure lamp
Developing cylinder
Pre-transfer corona assembly
Transfer/separation corona assembly
Lamp regulator
DC controller PCB
HVTAC
HVT

Figure 3-22 Construction of Image Formation System

B. Sequence of Operations (image formation system)



* ON only in the AE mode.
** Controls ON/OFF operations according to the reproduction ratio, copy paper size, and copy modes.

Figure 3-23

C. Controlling the Scanning Lamp Intensity

1. Outline

Figure 3-24 shows the circuit that controls the intensity of the scanning lamp, and the circuit has the following functions:

i. Turns the scanning lamp ON and OFF.
ii. Checks the state of the scanning lamp (i.e., ON or OFF; for self diagnosis of the triac triggering circuit in the lamp regulator).
iii. Controls the intensity of the scanning lamp.
  - Keeps the intensity constant against fluctuation in the power supply voltage.
  - Controls the intensity to suit the settings by the COPY DENSITY key (manual mode).
  - Controls the intensity to suit the document density (AE mode).
  - Lowers the intensity in the following modes:
    photo mode — lowers by 18.9 V
    64% repro ratio or lower — lowers by 3.3 V

2. Mechanism

a. Controlling the Scanning Lamp ON and OFF

When $\overline{\text{LRD}}$ is '1', the output of the lamp regulator goes '0', cutting off the power to the phase control circuit; this condition cause the triac triggering circuit to go OFF and the scanning lamp (L1) to go OFF.

When $\overline{\text{LRD}}$ is '0', the output of the lamp regulator switch circuit goes '1', supplying the phase control circuit with 24 V and causing the triac triggering circuit to go ON; this condition causes the scanning lamp (LA1) to go ON.

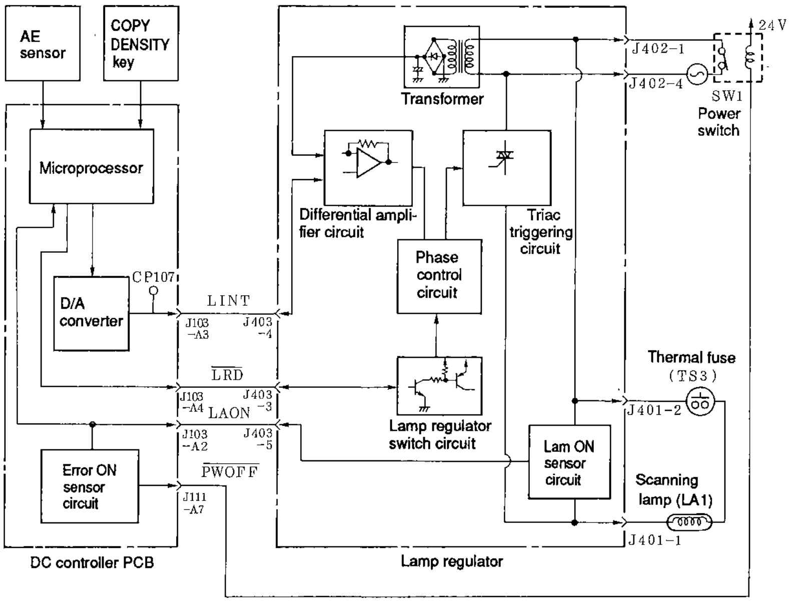

AE sensor
COPY DENSITY key
Microprocessor
D/A converter
CP107
LINT
J103 -A3
J403 -4
LRD
J103 -A4
J403 -3
LAON
J103 -A2
J403 -5
Error ON sensor circuit
PWOFF
J111 -A7
DC controller PCB
Transformer
Differential amplifier circuit
Phase control circuit
Triac triggering circuit
Lamp regulator switch circuit
Lam ON sensor circuit
Lamp regulator
J402-1
J402-4
24 V
SW1
Power switch
Thermal fuse
(TS3)
J401-2
Scanning lamp (LA1)
J401-1

Figure 3-24 Scanning Lamp Intensity Control Circuit

b. Checking the State of the Scanning Lamp

When the scanning lamp (LA1) is ON, i.e., when the triac triggering circuit is operating, the lamp ON sensor circuit is also operating and its output (LAON) is '1'.

If LAON remains '1' for about 40 sec or more because of a fault in the microprocessor or the lamp regulator, the error ON sensor circuit goes ON to turn the machine OFF.

c. Controlling the Intensity of the Scanning Lamp

The intensity of the scanning lamp is increased or decreased by by controlling the supply voltage to the scanning lamp based on the intensity adjustment signal (LINT) coming from the DC controller PCB.

The LINT signal varies between 10 and 16 V depending on the settings made in the service mode and those made using the COPY DENSITY key so that the supply voltage to the scanning lamp varies between 45 and 80 V in terms of effective values.

3. Automatic Exposure Control (AE)

a. Outline

The machine is equipped with an automatic exposure control mechanism that automatically controls the intensity of the scanning lamp to suit the density of the document.

When the machine is used in the AE mode, copies free of fogging may be made without manual adjustment as long as the document is more or less even in density.

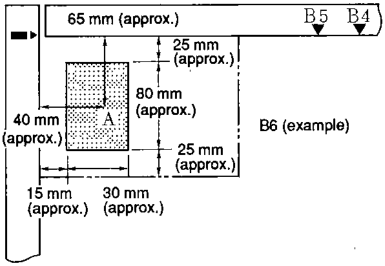
The intensity of the lamp controlled in the AE mode is indicated on the display on the control panel.

b. Control Mechanism

The scanning lamp is turned ON during initial rotation (INTR), and the scanner is moved forward about 15 mm to expose the document.

At the position, the intensity of light reflected by the area of the document shown in Figure 3-25 is measured, and the measurement is sent to the DC controller PCB.

Based on this measurement, the DC controller PCB, on the other hand, computes the optimum intensity for the scanning lamp for copying operation and sends the data to the lamp regulator as the intensity adjustment signal (LINT).



Note: A *represents the location of the AE sensor.*

Figure 3-25

Figure 3-26 shows the change in the intensity of the scanning lamp with respect to the change in the document density.

The graph is based on the degree of exposure that ensures copies with optimum density and free of fogging when made of the Test Sheet and a newspaper.

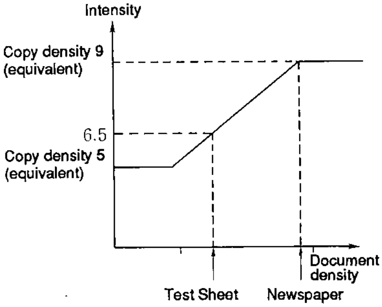


Figure 3-26

4. Making Checks (on input signals)

- **J103-A4 (DC controller PCB; voltage)**

The voltage between J103-A4 ($\overline{\text{LRD}}$) on the DC controller and GND must be about 0 V while the scanner is moving forward; it must be about 24 V during initial rotation, while the scanner is moving in reverse, and during last rotation.

If the measured voltage does not vary as above, the DC controller circuit is likely to be faulty.

- **CP107 (DC controller PCB; voltage)**

The voltage between CP107 (LINT) on the DC controller PCB and GND must be about 10 to 16 V and the voltage must change each time the COPY DENSITY key is pressed.

Note:
Once open, the thermoswitch (TS3) cannot be used unless cooled to 0°C or less; the contact will not recover at ambient temperature.

5. Adjusting the Intensity and AE

Table 3-6 discusses those items that can be adjusted on the scanning lamp intensity control circuit.

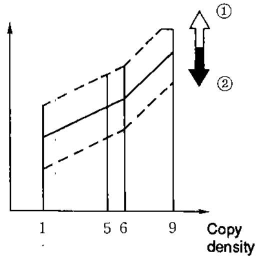
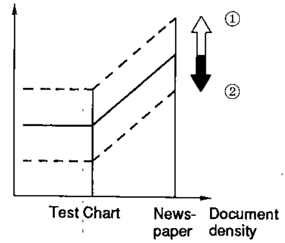
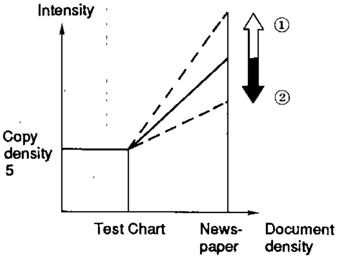
Item	Adjustment	Description	Remarks
$\boxed{*}\boxed{3}\boxed{*}$ LIGHT	Optimum exposure (copy density 5)	(manual) Intensity  (AE) Intensity  	i. If the setting is increased in the service mode, the intensity during copying operation increases and the copy density will decrease. ii. If the setting is decreased in the service mode, the intensity during copying operation decreases and the copy density will increase.
$\boxed{*}\boxed{4}\boxed{*}$ AE_SLOP	AE slope	 	i. If the setting is increased in the adjustment mode, the copies of newspapers will decrease. ii. If the setting is decreased in the adjustment mode, the copies of newspapers will increase.
$\boxed{*}\boxed{3}\boxed{*}$ AE_ADJ	Light intensity for AE scan	Determines the reference intensity for AE scanning; see P. 3-157	

Table 3-6

D. Controlling the Primary/ Transfer Corona Current Grid Bias

1. Outline

Figure 3-27 shows the circuit that controls the primary/transfer corona and the grid bias, and the circuit has the following functions:

- Turns the primary/transfer corona current ON and OFF.
- Maintains the primary corona current constant.
- Switches values for the transfer corona current.
- Switches the grid bias for the primary corona assembly.

The output of the machine's primary corona assembly is controlled to a specific value to eliminate the effects of the environment on the corona discharge. The output of the transfer corona assembly and the grid bias varies according to the output of the primary corona assembly.

The primary/transfer current and the grid bias are turned ON and OFF by the primary corona level control command (HVPR) generated by the DC controller circuit.

When two-sided or overlay copies are made, the transfer corona current is switched by the transfer corona level control command (HVTR) generated by the DC controller circuit.

In the photo mode, the high voltage applied to the primary corona assembly grid wire is switched by the grid bias control command (HVGB) generated by the DC controller circuit.

To limit the dirt on the primary corona wire, a bias identical to that applied to the grid wire is applied to the shield plate of the primary corona assembly.

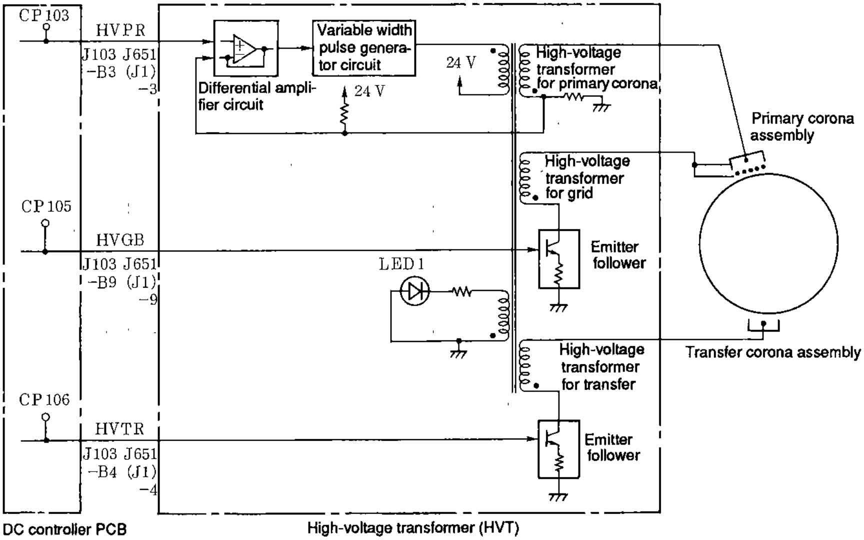

CP103
HVPR
J103 J651 -B3 (J1) -3
Differential amplifier circuit
Variable width pulse generator circuit
24 V
24 V
High-voltage transformer for primary corona
Primary corona assembly
High-voltage transformer for grid
CP105
HVGB
J103 J651 -B9 (J1) -9
LED1
Emitter follower
High-voltage transformer for transfer
Transfer corona assembly
CP106
HVTR
J103 J651 -B4 (J1) -4
Emitter follower
DC controller PCB
High-voltage transformer (HVT)

Figure 3-27 Primary/Transfer Corona Current Grid Bias Control Circuit

2. Mechanism

The primary/transfer corona current and the grid bias is turned ON and OFF by the HVPR; the differential amplifier circuit shown in Figure 3-27 operates when HVPR is about 8 V or more.

a. High-voltage output is ON

- HVPR control signal is output.
  - └→ Differential amplifier circuit goes ON.
    - └→ Variable width pulse generator goes ON.
      - ├→ LED1 goes ON.
      - └→ High-voltage transformer goes ON.

At the time, the corona current sent to the transfer corona assembly is of a value suitable to HVTR. Likewise, the grid bias sent to the grid wire of the primary corona assembly is of a value suited to HVGB.

If a corona current larger than the specific value flows from the primary corona assembly because of changes in the environment, the level of the feedback signal to the differential amplifier circuit increases and, as a result, the output of the differential amplifier decreases; for this reason, the corona current from the primary/transfer corona assembly will decrease, controlling the current to a constant value at all times.

b. High-voltage output is OFF

- HVPR is about 7.5 V.
  - └→ Differential amplifier circuit is OFF.
    - └→ Variable width pulse generator circuit goes OFF.
      - ├→ LED1 goes OFF.
      - └→ High-voltage transformer goes OFF.

If '1' is set under 'TRN-CHG' in the service mode ($\boxed{*}\ \boxed{5}\ \boxed{*}$), the transfer output will be 50μA larger than the setting made under 'TRN-1, TRN-2' in the service mode ($\boxed{*}\ \boxed{3}\ \boxed{*}$).

E. Separation/Pre-Transfer Corona Current Control

1. Outline

Figure 3-28 shows the circuit that controls the separation/pre-transfer corona, and the circuit has the following functions:

- Turns the separation/pre-transfer corona current ON and OFF.
- Maintains the separation/pre-transfer corona current constant.
- Switches the separation corona current.

The machine's separation/pre-transfer corona current is controlled in the same way as the primary corona assembly, i.e., by constant current control.

The separation/pre-transfer corona current is turned ON and OFF and the separation corona current is switched by the following three signals generated by the DC controller circuit:

- separation corona level control command (HVSP)
- pre-transfer corona level control command (HVPT)
- AC transformer drive command ($\overline{\text{HVAC}}$)

2. Mechanisms

The two differential circuits shown in Figure 3-28 go ON when HVSP or HVPT is 16 V or less.

a. Separation/Pre-transfer high-voltage output is ON

HVSP/HVPT control signal is output.
↳ Differential amplifier circuit goes ON.
  ↳ Variable width pulse generator circuit goes ON.
    ↳ High-voltage transformer for separation goes ON.
    ↳ High-voltage transformer for pre-transfer goes ON.

In this condition, the DC component of each high voltage is output. At the time, $\overline{\text{HVAC}}$ is '0', causing the high-voltage AC transformer to go ON; the high-voltage AC transformer outputs both DC and AC components. At the time, the separation/pre-transfer corona current are of values suited to HVSP and HVPT.

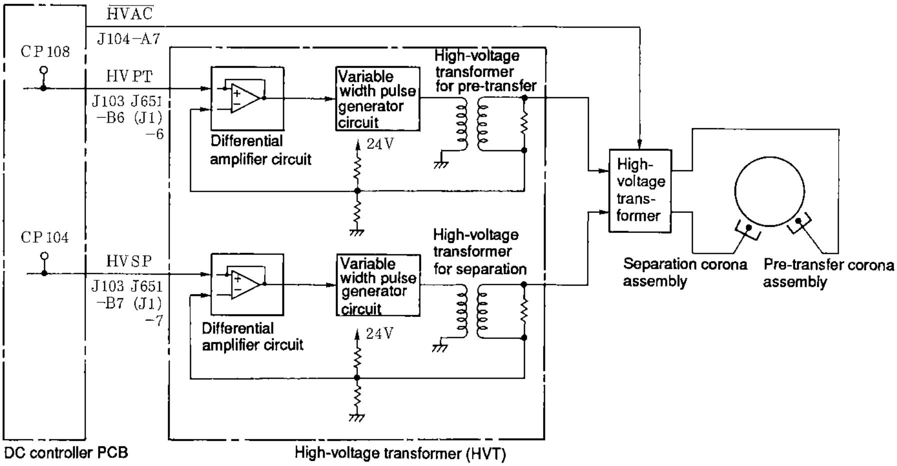

HVAC
J104-A7
CP108
HVPT
J103 J651
-B6 (J1)
-6
Differential amplifier circuit
Variable width pulse generator circuit
24V
High-voltage transformer for pre-transfer
CP104
HVSP
J103 J651
-B7 (J1)
-7
Differential amplifier circuit
Variable width pulse generator circuit
24V
High-voltage transformer for separation
High-voltage trans-former
Separation corona assembly
Pre-transfer corona assembly
DC controller PCB
High-voltage transformer (HVT)

Figure 3-28 Separation/Pre-Transfer Corona Current Control Circuit

b. Separation/Pre-transfer high-voltage output Is OFF.

HVSP/HVPT is about 17 V.

- ↳ Differential amplifier circuit goes OFF.
  - ↳ Variable width pulse generator circuit goes OFF.
    - ↳ High-voltage transformer for separation goes OFF.
    - ↳ High-voltage transformer for pre-transfer goes OFF.

At the time, $\overline{HVAC}$ is '1', causing the high-voltage AC transformer to go OFF.

F. Controlling the Developing Bias

1. Outline

Figure 3-29 shows the circuit that controls the development bias, and the circuit has the following functions:

- Turns the development bias AC component ON and OFF.
- Turns the development bias DC component ON and OFF.
- Controls the voltage level of the development bias DC component.

The above control mechanisms are executed by the following two signals generated by the DC controller circuit:

- development bias AC drive command ($\overline{\text{HVBAC}}$)
- development bias DC level control command (HVBDC)

2. Mechanism

a. Turning the AC Bias ON and OFF

- $\overline{\text{HVBAC}}$ is '1'.
  ↳ Pulse generator circuit goes OFF.
    ↳AC high-voltage transformer goes OFF.

The above condition cuts off the AC bias to the developing cylinder.

- $\overline{\text{HVBAC}}$ is '0'.
  ↳ Pulse generator circuit goes ON.
    ↳AC high-voltage transformer goes ON.

The above condition supplies the developing cylinder with the AC bias.

b. Turning the DC Bias ON and OFF and Controlling the Voltage Level

The differential amplifier circuit shown in Figure 3-29 goes ON when HVBDC is 16V or less.

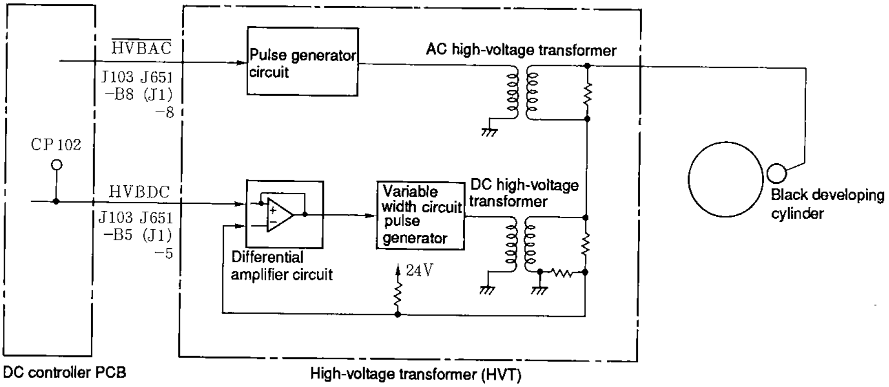
- DC bias is OFF.
  HVBDC is about 17 V.
  ↳ Differential amplifier circuit goes OFF.
    ↳Variable width pulse generator goes OFF.
      ↳ DC high-voltage transformer goes OFF.

The above condition cuts off the DC bias to the developing cylinder.

- DC bias is ON.
  HVBDC is 8 to 16 V.
  ↳ Differential amplifier circuit goes ON.
    ↳Variable width pulse generator circuit goes ON.
      ↳ DC high-voltage transformer goes ON.

The above condition supplies the developing cylinder with the DC bias.

HVBDC varies between 8 and 16 V according to the setting made in the service mode.



$\overline{\text{HVBAC}}$
J103 J651
-B8 (J1)
-8
CP102
HVBDC
J103 J651
-B5 (J1)
-5
Pulse generator circuit
AC high-voltage transformer
Differential amplifier circuit
Variable width circuit pulse generator
DC high-voltage transformer
24V
Black developing cylinder
DC controller PCB
High-voltage transformer (HVT)

Figure 3-29

3. Making Adjustments

Table 3-7 shows those items that can be adjusted on the development bias control circuit; make sure that the copy density correction value (asterisk mode; $\boxed{*}\boxed{5}\boxed{OK}$) is at the standard (center) value before making these adjustments.

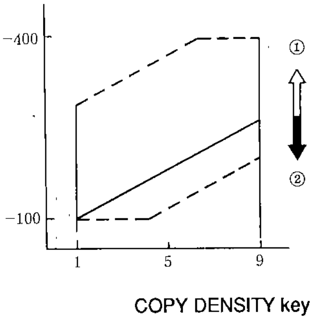
Item	Adjustment	Description	Remarks
$\boxed{*}\boxed{3}\boxed{*}$ BIAS_N	Development bias DC component (development bias 2,000 Hz; 1.250 VAC p-p)	Development bias DC component 	i. If the setting is increased in the service mode, the DC component of the development bias for black copies increases and the copy density will decrease. ii. If the setting is decreased in the service mode, the DC component of the development bias for black copies decreases and the copy density will increase.

Table 3-7

G. Controlling the Blank Exposure Lamp (LED)

1. Outline

The blank exposure lamp array consists of 124 LEDs.

While the drum is rotating and the document is not exposed, all 124 LEDs of the blank exposure lamp are kept ON.

When the document is exposed, the LEDs are kept ON or OFF depending on the selected copy size and copy modes.

The two LEDs each at both ends are kept ON at all times while the drum is rotating.

2. Control When Making Copies in REDUCE

While the document is exposed when making reduced copies, LEDs (rear) in numbers suited to the reproduction ratio are kept ON to blank (white) out the non-image areas.

3. Control When Making Copies in DIRECT

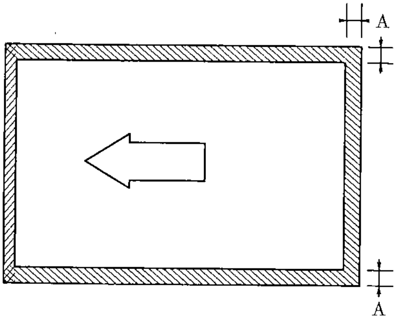
While the document is exposed when making DIRECT copies, LEDs (rear) in numbers suited to the cassette size are kept ON to blank (white) out the non-image area.

When using a fixed reproduction ratio or when using a standard size sheet in the DIRECT mode, a non-image area with a width of about 2.0 mm is created at the rear and the front of the image.

4. Control in Sheet/Original Frame Erasing Mode

In the sheet frame erasing mode, LEDs are turned ON so that toner will not be deposited in areas of the sheet about 7 mm wide along its four sides.

Note:
In the manual mode, the frame erasing mechanism is controlled based on 'maximum size' (297×432 mm) regardless of the size of the selected copy paper.
If the universal cassette is used with the paper size apecified, the sheet frame erasing mechanism is controlled based on the specified size.



A = 7 mm (approx.)

Figure 3-30 (Frame Erasing mode)

In the Original frame erasing mode, LEDs are turned ON so that toner will not be deposited in areas of the sheet corresponding to those of the document about 2 mm wide along its four sides.

H. Cleaning Assembly (developing assembly)

1. Outline

The black developing assembly is locked or released manually by shifting the locking lever.

The black developing assembly and the drum cleaner are rotated by the drive of the main motor (M1) transmitted through drum gears.

The waste toner scraped by the cleaning blade is forwarded inside the photosensitive drum for collection.

The level of toner inside the black developing assembly and the hopper is checked by the toner sensor (Q17) and the hopper toner sensor (Q18), respectively.

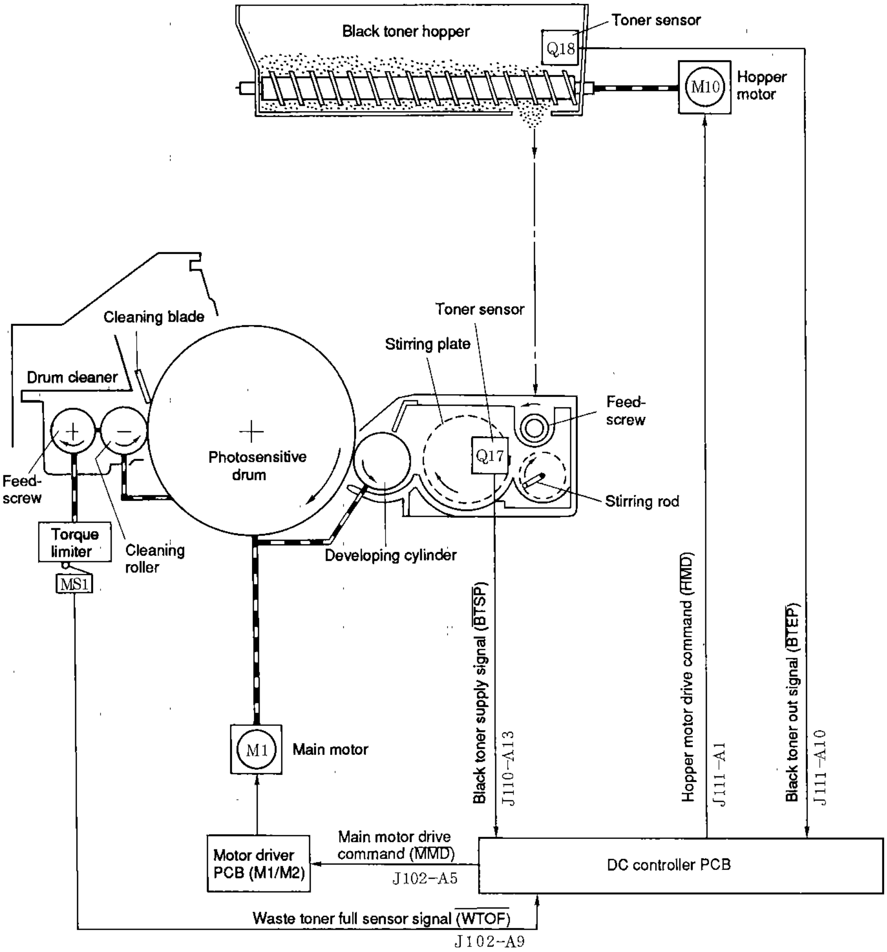

Black toner hopper
Q18
Toner sensor
M10
Hopper motor
Cleaning blade
Toner sensor
Stirring plate
Drum cleaner
Feed-screw
Photosensitive drum
Q17
Feed-screw
Stirring rod
Torque limiter
Cleaning roller
MS1
Developing cylinder
Black toner supply signal (BTSP)
J110-A13
Hopper motor drive command (HMD)
J111-A1
Black toner out signal (BTEP)
J111-A10
M1
Main motor
Motor driver PCB (M1/M2)
Main motor drive command (MMD)
J102-A5
DC controller PCB
Waste toner full sensor signal (WTOF)
J102-A9

Figure 3-31

2. Checking and Supplying Black Toner

The level of black toner inside the black developing assembly is checked by the toner sensor (Q17); when the black toner falls below a specific level, the hopper motor (M10) starts to rotate, supplying black toner to the black developing assembly from the black toner hopper.

When the hopper runs out of black toner and the toner sensor (Q18) in the hopper identifies the absence of toner for (10 seconds), the copying operation is stopped immediately and the 'ADD TONER' message is displayed. If the RDF is used at the time, the document, if any, on the copyboard glass will be discharged.

Note:
The detector of the toner sensors used in the black toner hopper and the black developing assembly is a piezoelectric oscillator that oscillates at several kHz in the absence of toner, causing the output of the sensor to go '0'. If toner is present, the weight of the toner stops the oscillation of the oscillator, causing the output of the sensor to go '1'.

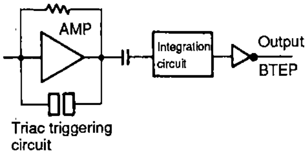
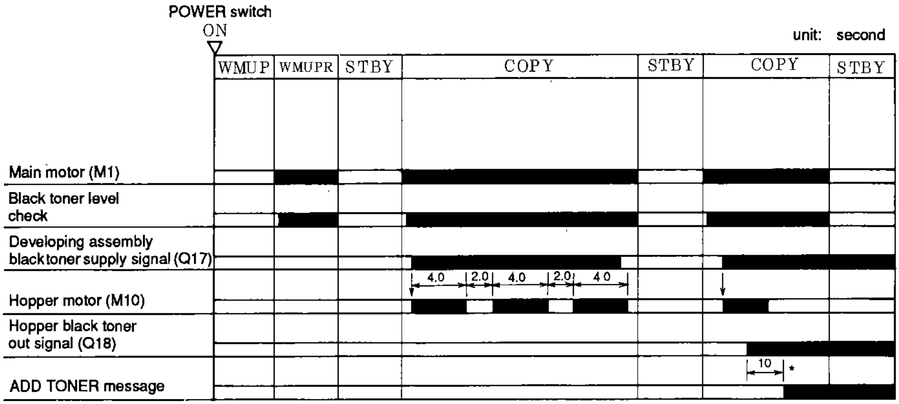

AMP
Integration circuit
Output
BTEP
Triac triggering circuit

Figure 3-32


POWER switch
ON
unit: second
WMUP
WMUPR
STBY
COPY
STBY
COPY
STBY
Main motor (M1)
Black toner level check
Developing assembly black toner supply signal (Q17)
Hopper motor (M10)
Hopper black toner out signal (Q18)
ADD TONER message
4.0
2.0
4.0
2.0
4.0
10
*

* The ADD TONER message goes ON if the black toner out signal remains ON for 10 sec while the hopper motor is rotating.

Figure 3-33

3. Checking Waste Toner

When the photosensitive drum rotates, its drive is transmitted to the drum gear, cleaning roller gear, screw gear, coupling, and feedscrew in the order named; the feedscrew serves to forward waste toner collected by the cleaning blade and the cleaning roller to the photosensitive drum for storage.

The coupling transmits drive when it is forced against the screw gear.

When the photosensitive drum and the pipe become full of toner, the feedscrew starts to drag, causing the coupling to move up and cutting the drive to the feedscrew; this condition causes the lever to press the microswitch (MS1).

Note:
The photosensitive drum becomes full with waste toner after making about 120,000 copies (6% black document).

Note:
At the time, the 'DISPOSE OF WASTE TONER' message is indicated; advise the user to make a serviceman call when the message appears. You can still make about 200 copies after the message appears; however, be sure to replace the drum as soon as possible, as failure to do so can damage the drive assembly.
Further, the message will not disappear even when the drum has been replaced; clear the message using 'ERROR' in the service mode (* 4 *).

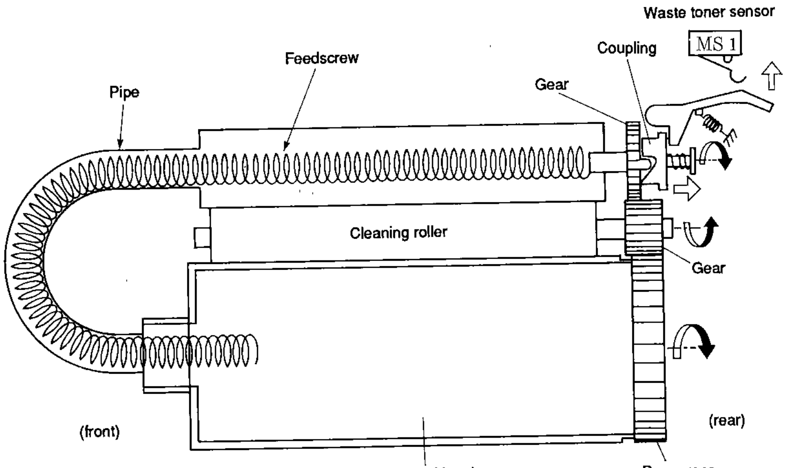


Figure 3-34

I. Controlling the Corona Wire Cleaning Mechanism

1. Outline

The machine is equipped with an automatic cleaning mechanism for the primary corona wire and the separation/transfer corona wire.

These mechanisms clean each respective corona wire under the following conditions:

i. The temperature of the fixing assembly is 100°C or less when the machine is switched ON.

ii. When the mechanism is activated in the user mode.

iii. When the cleaner is not at the home position when the machine is switched ON.

iv. When last rotation (LSTR) is over after each 2,000 copies; if the mechanism has been activated under condition i., ii., or iii. above, however, 2,000 copies after the execution.

2. Cleaning the Corona Wire

Each corona wire is cleaned by moving the corona cleaner back and forth.

Each corona wire cleaner is driven by the cleaning motor; the cleaner is moved forward starting at the corona wire cleaner home position switch (MS7, MS5) at the front of each corona assembly.

When the corona wire cleaner has reached the corona wire cleaner reversal switch (MS8, MS6), the cleaner is moved back to the home position. A single cleaning operation makes a single round trip in about 20 sec.

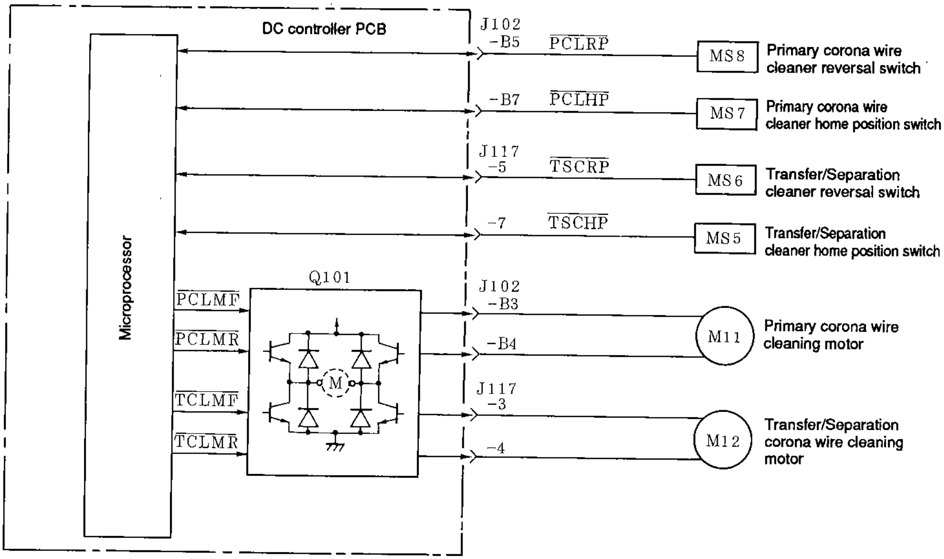

DC controller PCB
Microprocessor
J102
-B5
PCLRP
MS8
Primary corona wire cleaner reversal switch
-B7
PCLHP
MS7
Primary corona wire cleaner home position switch
J117
-5
TSCRP
MS6
Transfer/Separation cleaner reversal switch
-7
TSCHP
MS5
Transfer/Separation cleaner home position switch
Q101
PCLMF
PCLMR
TCLMF
TCLMR
M
J102
-B3
-B4
M11
Primary corona wire cleaning motor
J117
-3
-4
M12
Transfer/Separation corona wire cleaning motor

Figure 3-35

3. Controlling the Corona Wire Cleaning Motor

The corona wire cleaning motor is controlled by the corona wire cleaner forward command ($\overline{\text{PCLMF}}$/$\overline{\text{TCLMF}}$) and the corona wire cleaner reverse command ($\overline{\text{PCLMR}}$/$\overline{\text{TCLMR}}$).

	$\overline{\text{PCLMF}}$ $\overline{\text{TCLMF}}$	$\overline{\text{PCLMR}}$ $\overline{\text{TCLMR}}$
Forward	0	1
Reverse	1	0
At rest	1	1

Table 3-8

4. Checking the Cleaning Operation for Error

If the corona wire cleaner moves forward or in reverse as follows, the microprocessor on the DC controller PCB identifies the conditions to be an error.

a. MS8 (MS6) does not detect the corona wire cleaner about 20 sec after the cleaner started to moved forward.

b. MS7 (MS5) does not detect the corona wire cleaner about 20 sec after the cleaner started to move in reverse.

Under any of the above conditions, the corona wire cleaning motor is stopped immediately, and an alarm No. is indicated under 'ALARM' of the control display mode of the service mode.

Corona wire cleaner	Alarm No.
Primary corona wire cleaner	61
Transfer/Separation corona wire cleaner	62
Both of above	63

Table 3-9

To clear alarms caused by the detection mechanism, enter the user mode ($\boxed{*}\boxed{6}\boxed{\text{OK}}$) and execute automatic cleaning of the corona wire; the alarms cannot be cleared by switching the machine OFF and ON.

Note:
The corona cleaning motor is controlled so that it will not go ON unless the alarm, if any, is cleared; copies, however, can still be made without clearing the alarm.

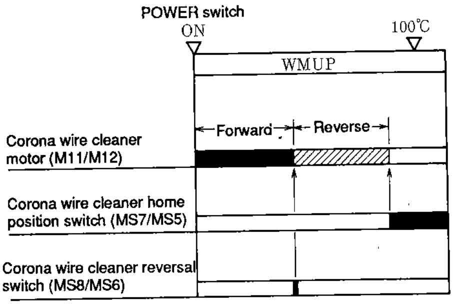

POWER switch
ON
100°C
WMUP
Forward
Reverse
Corona wire cleaner motor (M11/M12)
Corona wire cleaner home position switch (MS7/MS5)
Corona wire cleaner reversal switch (MS8/MS6)

Figure 3-36

IV. PICK-UP/FEEER SYSTEM

A. Outline

The presence of a cassette or the presence/absence of paper inside the cassette set in the cassette holder (1st/2nd cassette) are checked by the switches (CST1, CST2) attached in the cassette holder; four switches are attached to each holder.

The copy paper in the cassette is lifted by a lifter, and the lifter is designed to stop at a specific position when detected by a photointerrupter (Q12, Q13).

The presence/absence of paper inside the cassette is checked also by a photointerrupter (Q10, Q11).

When the pick-up clutch (CL2) goes ON, the pick-up roller starts to rotate, thereby feeding a single sheet of copy paper from the cassette.

The copy paper is then controlled by the registration roller so that its leading edge and the leading edge of the image on the photosensitive drum match; it is then sent to the copy tray through the transfer, separation, feeder, fixing and delivery assemblies.

When a single overlay copy is made, the paper deflector plate is shifted up as soon as the copy paper (1st side) reaches the delivery assembly, thereby forwarding the paper to the set-back mechanism.

The copy paper (2nd side) is then controlled so that its leading edge and that of the image on the photosensitive drum match before it is forwarded to the copy tray through the transfer, separation, feeder, fixing, and delivery assemblies.

When a single two-sided copy is made, the No. 2 delivery roller starts to rotate in reverse to shift up the paper deflector plate about 0.3 sec after the copy paper (1st side) has moved past the delivery paper sensor (Q2).

The condition causes the copy paper to switch back and move into the duplexing unit; the paper (2nd side) then is handled exactly the same as overlay copies and sent to the copy tray.

The machine is equipped with a mechanism that moves the entire assembly of both No. 1 upper and lower registration rollers so that the horizontal end of each copy paper moves along the same path; see p. 3-71 for details.

The paper path from the 1st cassette has five photointerrupters which check if the copy paper has reached or has moved past them.

For the pick-up/feeder systems of the cassette feeding unit and the paper deck pedestal, see p. 3-50 and p. 3-95, respectively.

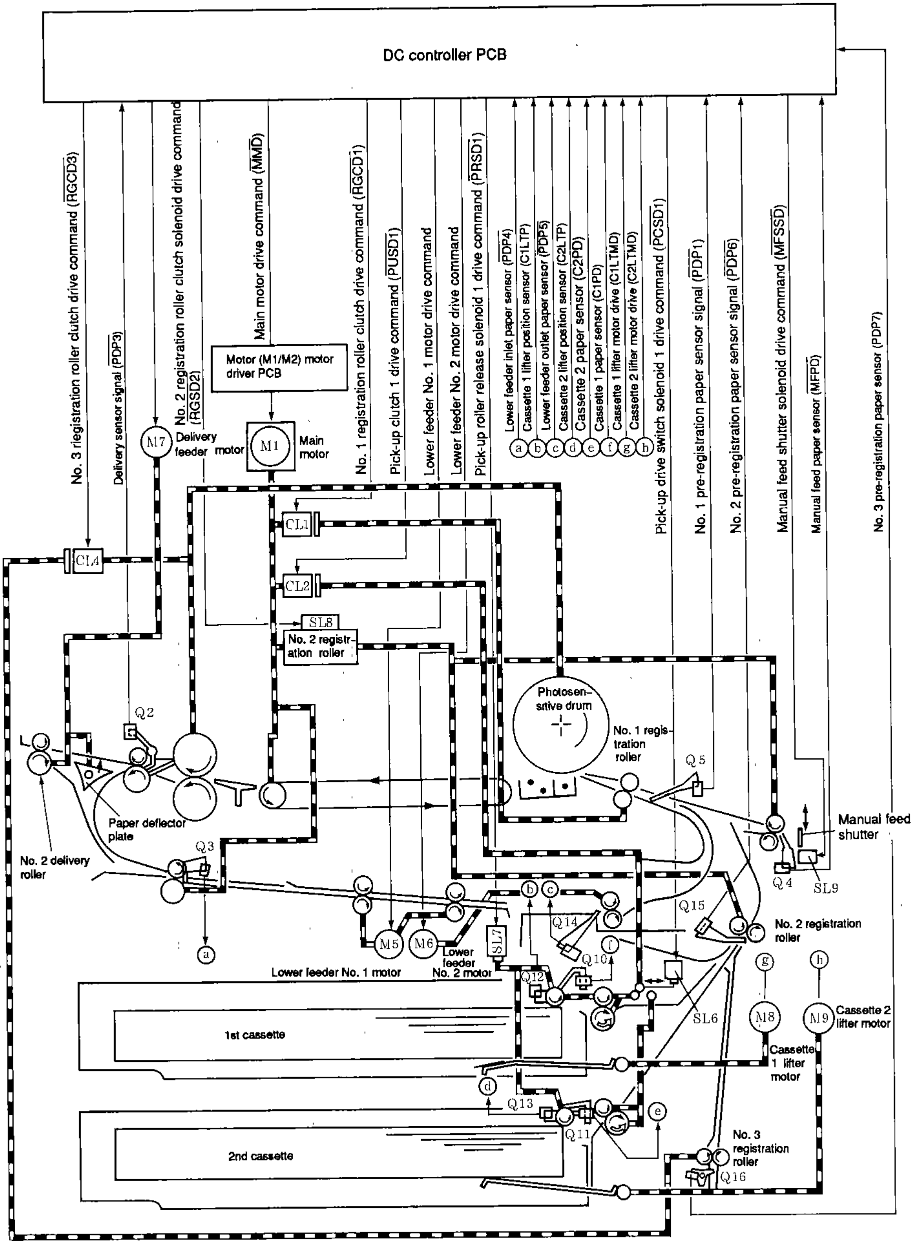
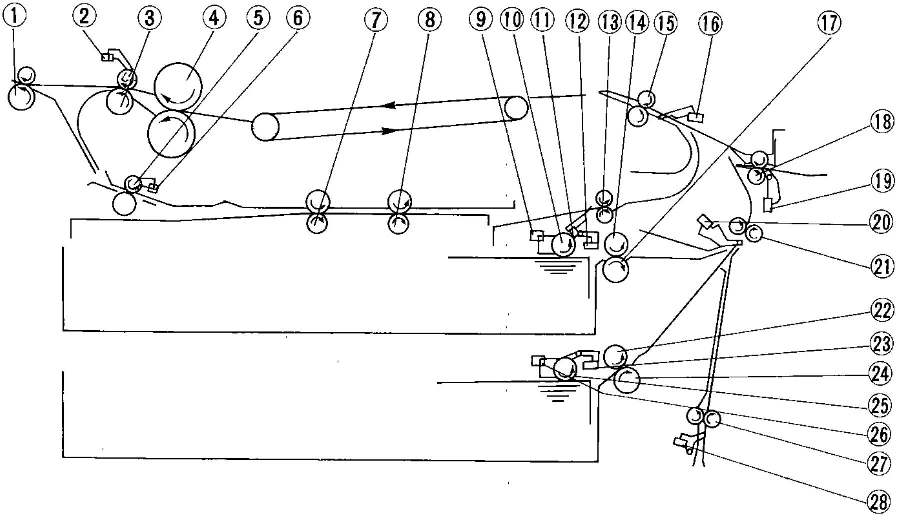

DC controller PCB
No. 3 registration roller clutch drive command (RGCD3)
Delivery sensor signal (PDP3)
No. 2 registration roller clutch solenoid drive command (RGSD2)
Main motor drive command (MMD)
Motor (M1/M2) motor driver PCB
M7
Delivery feeder motor
M1
Main motor
No. 1 registration roller clutch drive command (RGCD1)
Pick-up clutch 1 drive command (PUSD1)
Lower feeder No. 1 motor drive command
Lower feeder No. 2 motor drive command
Pick-up roller release solenoid 1 drive command (PRSD1)
Lower feeder inlet paper sensor (PDP4)
Cassette 1 lifter position sensor (C1LTP)
Lower feeder outlet paper sensor (PDP5)
Cassette 2 lifter position sensor (C2LTP)
Cassette 2 paper sensor (C2PD)
Cassette 1 paper sensor (C1PD)
Cassette 1 lifter motor drive (C1LTMD)
Cassette 2 lifter motor drive (C2LTMD)
a b c d e f g h
Pick-up drive switch solenoid 1 drive command (PCSD1)
No. 1 pre-registration paper sensor signal (PDP1)
No. 2 pre-registration paper sensor signal (PDP6)
Manual feed shutter solenoid drive command (MFSSD)
Manual feed paper sensor (MFPD)
No. 3 pre-registration paper sensor (PDP7)
CL4
CL1
CL2
SL8
No. 2 registration roller
Photosensitive drum
No. 1 registration roller
Q2
Q5
Paper deflector plate
Q3
No. 2 delivery roller
Manual feed shutter
Q4
SL9
Q15
No. 2 registration roller
Q14
Q10
Q12
SL7
M5
M6
Lower feeder No. 1 motor
Lower feeder No. 2 motor
SL6
M8
M9
Cassette 2 lifter motor
Cassette 1 lifter motor
1st cassette
2nd cassette
Q13
Q11
No. 3 registration roller
Q16

Figure 3-37

Arrangement of Rollers and Sensors (copier)



① No. 2 delivery roller
② Delivery sensor (Q2)
③ No. 1 delivery roller
④ Fixing roller
⑤ Lower feeder inlet roller
⑥ Lower feeder inlet paper sensor (Q3)
⑦ Set-back roller 1
⑧ Set-back roller 2
⑨ Cassette 1 lifter position sensor (Q12)
⑩ Cassette 1 pick-up roller
⑪ Lower feeder outlet paper sensor (Q14)
⑫ Cassette 1 paper sensor (Q10)
⑬ Lower feeder outlet roller
⑭ Cassette 1 feeder roller
⑮ No. 1 registration roller
⑯ No. 1 pre-registration paper sensor (Q5)
⑰ Cassette separation roller
⑱ Manual feed pick-up roller
⑲ Manual feed paper sensor (Q4)
⑳ No. 2 pre-registration paper sensor (Q15)
㉑ No. 2 registration roller
㉒ Cassette 2 feeder roller
㉓ Cassette 2 paper sensor (Q11)
㉔ Cassette 2 separation roller
㉕ Cassette 2 pick-up roller
㉖ Cassette 2 lifter position sensor (Q13)
㉗ No. 3 registration roller
㉘ No. 3 pre-registration sensor (Q16)

Figure 3-38 Arrangement of Rollers and Sensors (copier)

B. Identifying the Cassette Size

When a cassette is inserted into the cassette holder, specific switches become actuated.

The microprocessor identifies the presence/absence of a cassette and the size of the cassette based on the combinations shown in Table 3-10; at the same time, the microprocessor determines the count mode, reversal position for the scanner, and control method for blank exposure.

Arrangement / Cassette size	SW 701 (left)	SW 702	SW 703	SW 704 (right)
No cassette	0	0	0	0
B5 (182x257)	0	0	0	1
* U-L2 (203–220x317–354)	0	0	1	0
A4 (210x297)	0	0	1	1
B5R (257x182)	0	1	0	0
B4 (364x257)	0	1	0	1
A4R (297x210)	0	1	1	0
A3 (420x297)	0	1	1	1
U-S1 (190–279x190–279)	1	0	0	0
* U-S2 (190–279x190–279)	1	0	0	1
* U-L1 (203–220x317–354)	1	0	1	0
Letter 8.5"x11" (216x279)	1	0	1	1
STMT 5.5"x8.5" (216x140)	1	1	0	0
Legal 8.5"x14" (356x216)	1	1	0	0
Letter R8.5"x11" (279x216)	1	1	1	0
Ledger 11"x17" (432x279)	1	1	1	1

(unit: mm)

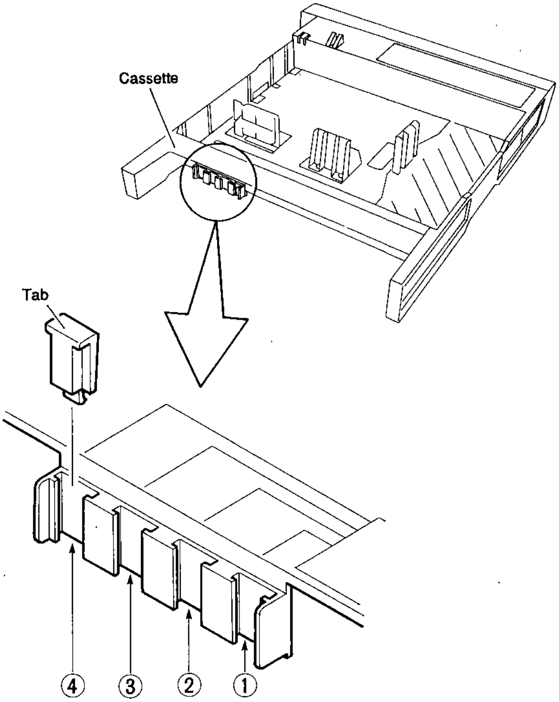
Table 3-10

0: indicates SW is OFF.
1: indicates SW is ON.

* Sizes may be stored in memory within dimensions given in mm; see P. 3-150.

The cassette may be configured to suit specific sizes by relocating the cassette tabs shown in Figure 3-39; also, relocate the guide plate inside the cassette to suit the size of copy paper accordingly.

Note:
The location of the cassette tabs determines which copying sequence will be used; as such, incorrect location can cause frequent jams.



Copy paper size	Tab No.			
	④	③	②	①
B5	☐			
U−L2		☐		
A4	☐	☐		
B5−R			☐	
B4	☐		☐	
A4−R		☐	☐	
A3	☐	☐	☐	
U−S1				☐
U−S2	☐			☐
U−L1		☐		☐
LTR	☐	☐		☐
STMT			☐	☐
LGL	☐		☐	☐
LTR−R		☐	☐	☐
11×17	☐	☐	☐	☐

☐······ tab present.

Figure 3-39 Changing the Cassette Size

C. Pick-Up from Cassette (1st/2nd cassette)

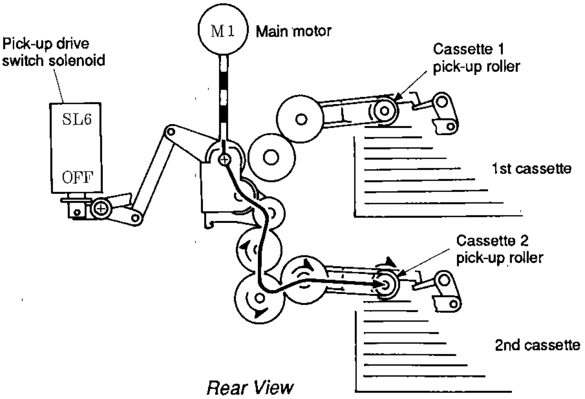
When pick-up clutch 1 (CL2) goes ON, the drive from the main motor (M1) is transmitted to the No. 1 cassette or the No. 2 casette by the work of the pick-up drive switch solenoid (SL6).

Both No. 1 and No. 2 cassettes each have a lifter motor (M8, M9) that moves up the lifter to a specific position as long as a cassette is present and the machine is supplied with power.

The presence/absence of copy paper inside the cassette is checked by photointerrupters (Q10, Q11); the position of the lifter is checked by photointerrupters (Q12, Q13).

If the photointerrupter (Q10, Q11) does not detect paper, the DC controller PCB decides that no paper is present, and the 'ADD PAPER' message will be indicated.

Pick-Up from 2nd Cassette


M1
Main motor
Pick-up drive switch solenoid
SL6
OFF
Cassette 1 pick-up roller
1st cassette
Cassette 2 pick-up roller
2nd cassette
Rear View

Pick-Up from 1st Cassette

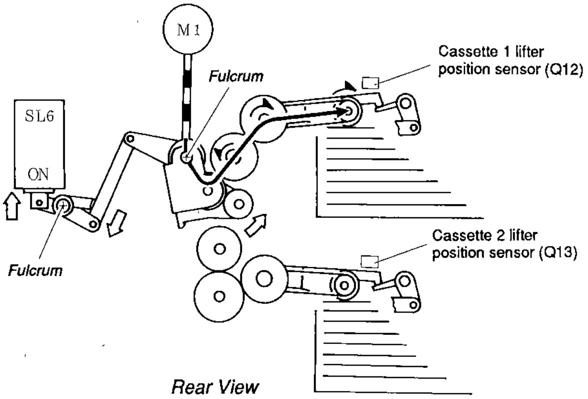

M1
Fulcrum
SL6
ON
Fulcrum
Cassette 1 lifter position sensor (Q12)
Cassette 2 lifter position sensor (Q13)
Rear View

Figure 3-40 Pick-Up from 1st/2nd Cassette (transmission of drive)

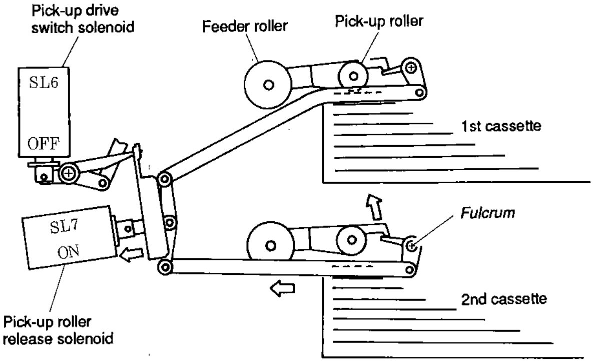
When the cassette starts to run out of copy paper during copying operation and, as a result, the lifter position signal goes '0', the lifter motor goes ON to move up the lifter to a specific position; the lifter is moved up until the lifter position sensor goes '1'.

If the lifter position sensor signal remains '0' after the lifter motor has remained ON for a specific period of time, the 'ADD PAPER' message will be indicated on the display.

The pick-up roller for cassette pick-up operation is linked to the feeder roller.

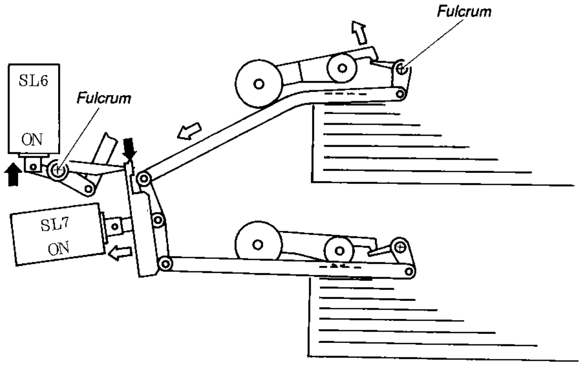
After each pick-up, the pick-up roller release solenoid (SL7) goes ON to move up the pick-up roller; this is to prevent the pick-up roller from picking up the next sheet of copy paper.

With Pick-Up Roller for 2nd Cassette Released


Pick-up drive switch solenoid
Feeder roller
Pick-up roller
SL6
OFF
1st cassette
Fulcrum
SL7
ON
2nd cassette
Pick-up roller release solenoid

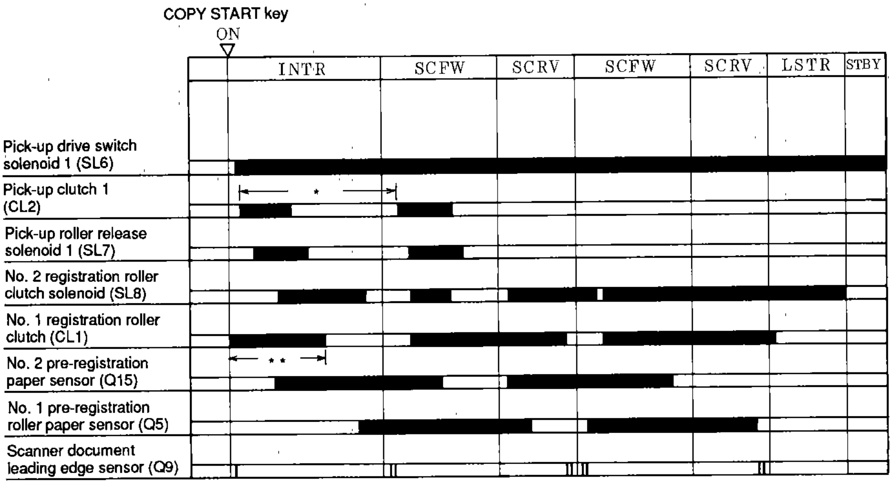
Rear View

With Pick-Up Roller for 1st Cassette Released


Fulcrum
SL6
Fulcrum
ON
SL7
ON

Rear View

Figure 3-41


COPY START key
ON
INTR
SCFW
SCRV
SCFW
SCRV
LSTR
STBY
Pick-up drive switch solenoid 1 (SL6)
Pick-up clutch 1 (CL2)
*
Pick-up roller release solenoid 1 (SL7)
No. 2 registration roller clutch solenoid (SL8)
No. 1 registration roller clutch (CL1)
No. 2 pre-registration paper sensor (Q15)
**
No. 1 pre-registration roller paper sensor (Q5)
Scanner document leading edge sensor (Q9)

*Varies depending on the length of paper; $\frac{\text{paper (i)} \times 4/3}{240 \text{ mm/s (ii)}} + 300$ ms (iii)

i. If 216 mm or less, 216 mm.
ii. Feed speed.
iii. Warm-up time of scanner.

**Setting the No. 1 registration roller at the home position (horizontal; see p. 3-71).

Figure 3-42 A4, 2 Copies, DIRECT, One-Sided Document to One-Sided Copy, Pick-Up from 1st Cassette

D. Pick-Up from Cassette Feeding Unit (3rd/4th cassette)

1. Mechanism

When pick-up clutch 2 (CL801) goes ON, the drive of the pick-up motor (M803) is transmitted to the 3rd or 4th cassette by the work of pick-up drive switch solenoid 2 (SL805).

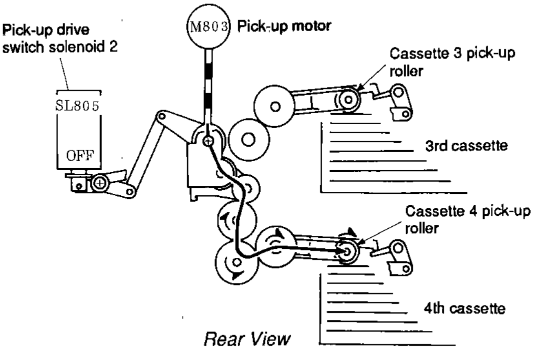
Both 3rd and 4th cassettes each have a lifter motor (M801, M802) which moves up the lifter to a specific point when a cassette is slid in while the machine is powered.

At the time, photointerrupters (Q850, Q852) are used to check the presence/absence of copy paper inside the cassette.

The position of the lifter is checked also by a photointerrupter (Q851, Q853).

If the photointerrupter (Q850, Q852) does not detect paper, the DC controller PCB identifies the absence of paper and indicates the "ADD PAPER' message.

Pick-Up from 4th Cassette


Pick-up drive switch solenoid 2
M803
Pick-up motor
Cassette 3 pick-up roller
SL805
OFF
3rd cassette
Cassette 4 pick-up roller
4th cassette
Rear View

Pick-Up from 3rd Cassette

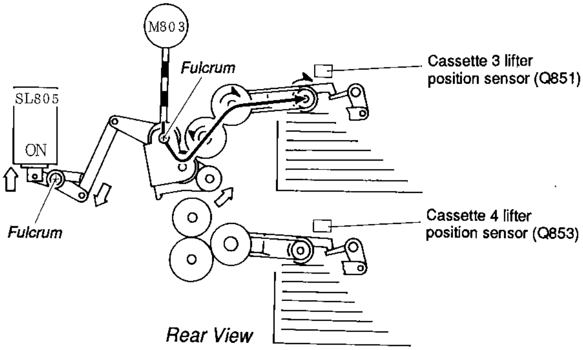

M803
Fulcrum
Cassette 3 lifter position sensor (Q851)
SL805
ON
Fulcrum
Cassette 4 lifter position sensor (Q853)
Rear View

Figure 3-43 Pick-Up from 3rd/4th Cassette (transmission of drive)

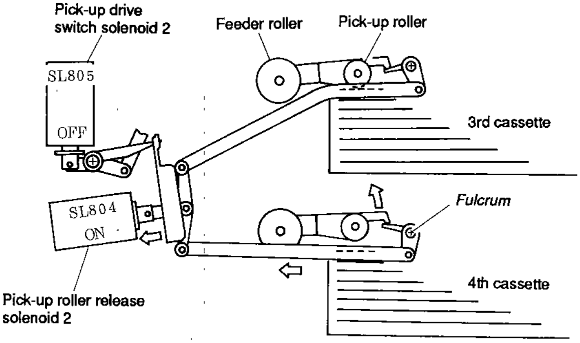
When the cassette runs out of copy paper during copying operation and the lifter position sensor signal goes '0', the lifter motor goes ON to move up the lifter to a specific position; the lifter is moved up until the lifter position sensor signal goes '1'.

If the lifter position sensor signal remains '0' after the lifter motor has remained ON for a specific period of time, the 'ADD PAPER' message is indicated on the display.

The pick-up roller of the cassette feeding unit is linked to the feeder roller.

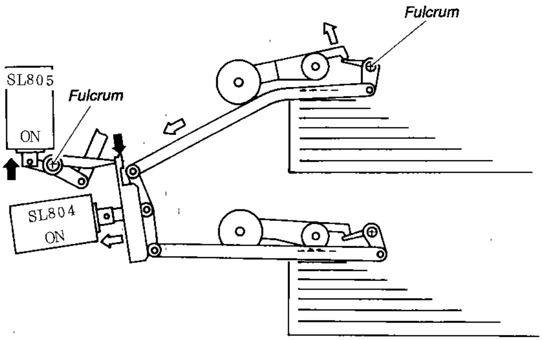
After each pick-up, the pick-up roller solenoid 2 (SL804) goes ON to lift the pick-up roller; this is to prevent the pick-up roller from picking up the next sheet of copy paper.

With Pick-Up Roller for 4th Cassette Released


Pick-up drive switch solenoid 2
Feeder roller
Pick-up roller
SL805
OFF
3rd cassette
Fulcrum
SL804
ON
4th cassette
Pick-up roller release solenoid 2

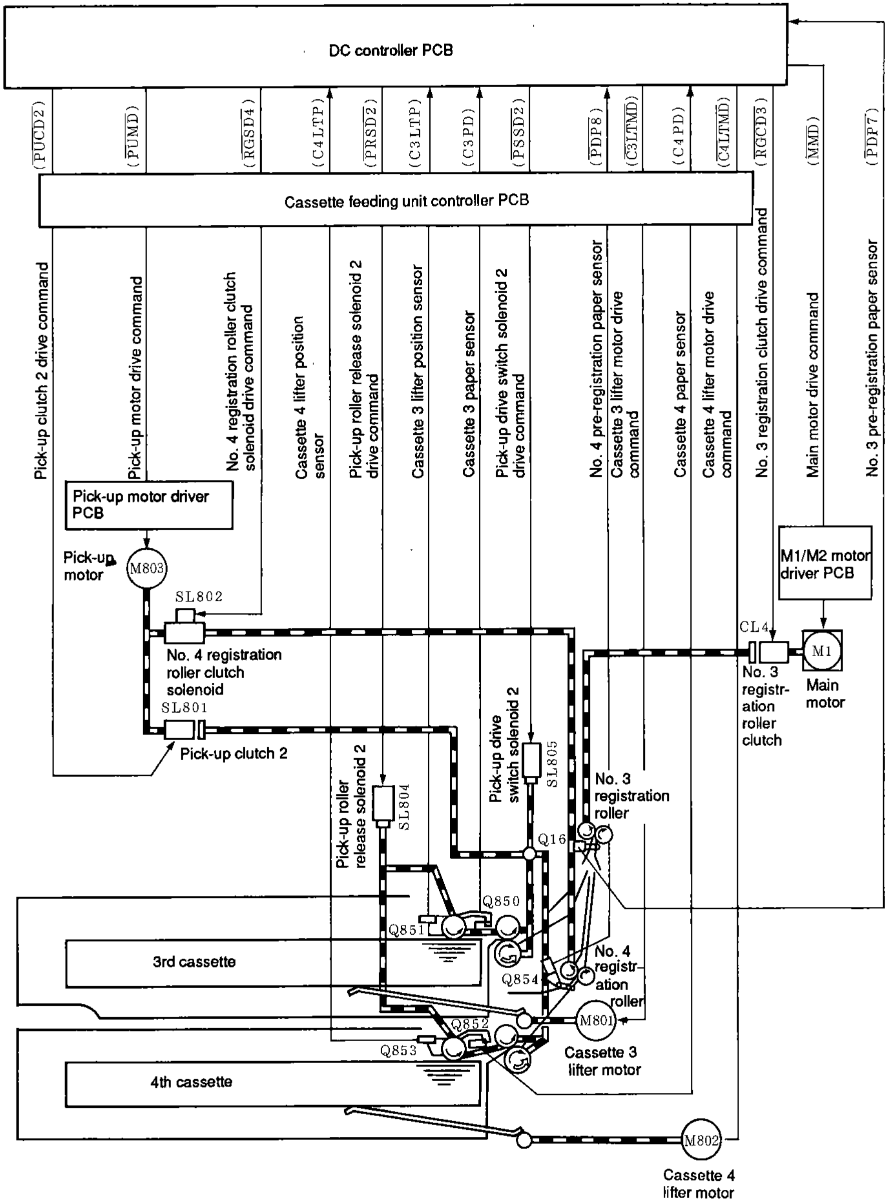
Rear View

With Pick-Up Roller for 3rd Cassette Released


Fulcrum
SL805
Fulcrum
ON
SL804
ON

Rear View

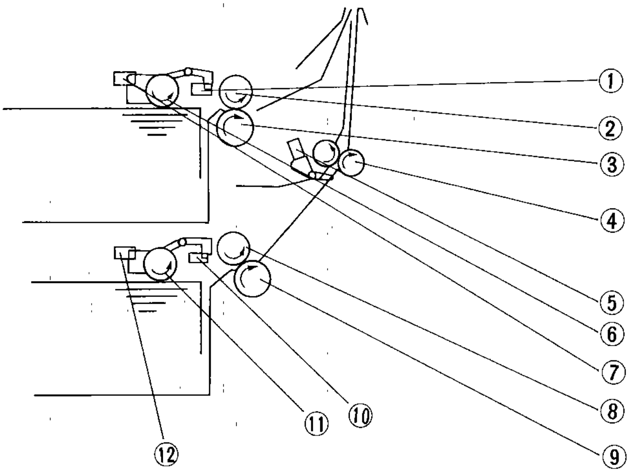
Figure 3-44


DC controller PCB
(PUCD2)
(PUMD)
(RGSD4)
(C4LTP)
(PRSD2)
(C3LTP)
(C3PD)
(PSSD2)
(PDP8)
(C3LTMD)
(C4PD)
(C4LTMD)
(RGCD3)
(MMD)
(PDP7)
Cassette feeding unit controller PCB
Pick-up clutch 2 drive command
Pick-up motor drive command
No. 4 registration roller clutch solenoid drive command
Cassette 4 lifter position sensor
Pick-up roller release solenoid 2 drive command
Cassette 3 lifter position sensor
Cassette 3 paper sensor
Pick-up drive switch solenoid 2 drive command
No. 4 pre-registration paper sensor
Cassette 3 lifter motor drive command
Cassette 4 paper sensor
Cassette 4 lifter motor drive command
No. 3 registration clutch drive command
Main motor drive command
No. 3 pre-registration paper sensor
Pick-up motor driver PCB
Pick-up motor
M803
SL802
No. 4 registration roller clutch solenoid
SL801
Pick-up clutch 2
M1/M2 motor driver PCB
CL4
M1
No. 3 registration roller clutch
Main motor
Pick-up roller release solenoid 2
SL804
Pick-up drive switch solenoid 2
SL805
No. 3 registration roller
Q16
Q850
Q851
3rd cassette
Q854
No. 4 registration roller
M801
Q852
Q853
Cassette 3 lifter motor
4th cassette
M802
Cassette 4 lifter motor

The No. 3 registration roller and CL4 are on the copier side.

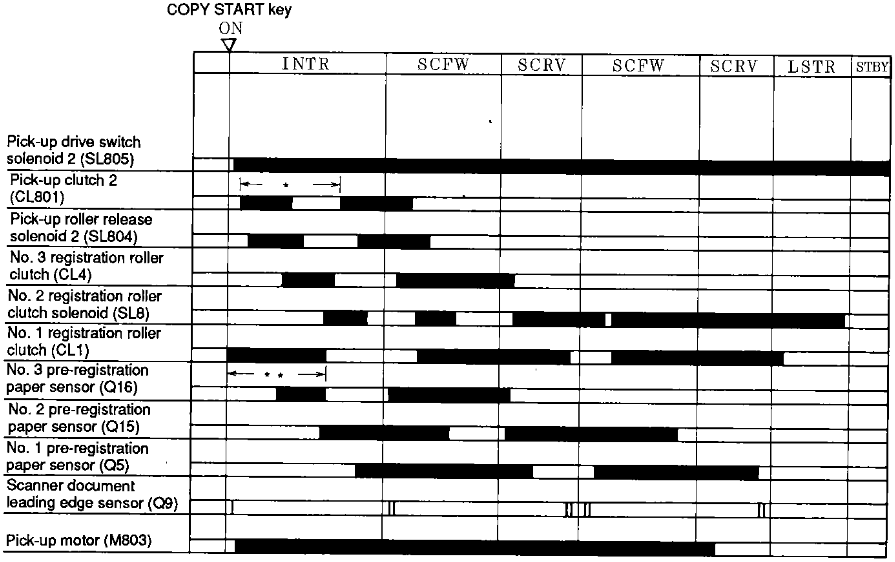
Figure 3-45

Arrangement of Rollers and Sensors (cassette feeding unit)



① Cassette 3 paper sensor (Q850)
② Cassette 3 feeder roller
③ Cassette 3 separation roller
④ No. 4 registration roller
⑤ No. 4 pre-registration paper sensor (Q854)
⑥ Cassette 3 pick-up roller
⑦ Cassette 3 lifter position sensor (Q851)
⑧ Cassette 4 feeder roller
⑨ Cassette 4 separation roller
⑩ Cassette 4 paper sensor (Q852)
⑪ Cassette 4 pick-up roller
⑫ Cassette 4 lifter position sensor (Q853)

Figure 3-46 Arrangement of Rollers and Sensors (cassette feeding unit)



*Varies depending on the length of paper; $\dfrac{\text{paper (i)} \times 4/3}{240\ \text{mm/s (ii)}} + 300\ \text{ms (iii)}$

i. If 216 mm or less, 216 mm.
ii. Feed speed.
iii. Warm-up time of scanner.

**Setting the No. 1 registration roller at the home position (horizontal; see p. 3-71).

Figure 3-47 A4, 2 Copies, DIRECT, One-Sided Document to One-Sided Copy, Pick-Up from 3rd Cassette

4. Pick-Up Motor Control

a. Outline

Figure 3-48 shows the circuit that controls the pick-up motor (M803), and the circuit has the following functions:

① Turns the pick-up motor ON and OFF.

② Maintains the pick-up motor rotation constant.

The pick-up motor (M803) is a 3-phase DC motor.

b. Mechanism

When the pick-up motor drive command ($\overline{\text{PUMD}}$) from the cassette feeding unit controller circuit goes '0', the control circuit causes the pulse signals U, V, and W in sequence to rotate the pick-up motor; these pulses are generated based on the output of the Hall IC.

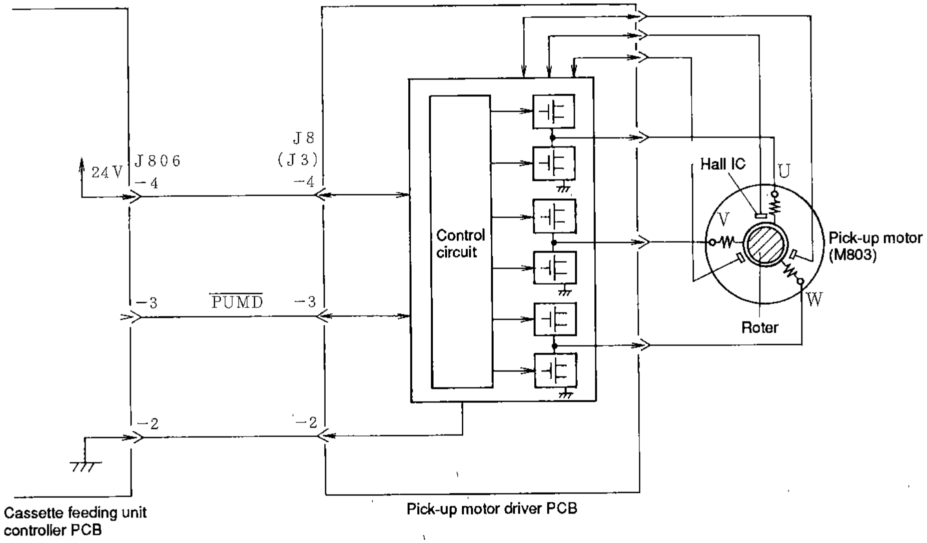

24V
J806
-4
-3
-2
J8
(J3)
-4
$\overline{\text{PUMD}}$
-3
-2
Control circuit
Hall IC
U
V
W
Pick-up motor (M803)
Roter
Cassette feeding unit controller PCB
Pick-up motor driver PCB

Figure 3-48

E. Manual Feed Pick-Up

1. Manual Feed Pick-Up

The manual feed pick-up roller is driven by the main motor (M1) and rotates when the No. 2 registration roller clutch solenoid (SL8) is ON. The manual feed pick-up roller starts to rotate as soon as the manual feed paper sensor (Q4) detects copy paper.

The manual feed shutter moves up when the manual feed pick-up paper sensor (Q4) detects the trailing edge of paper to prevent the next sheet from coming in.

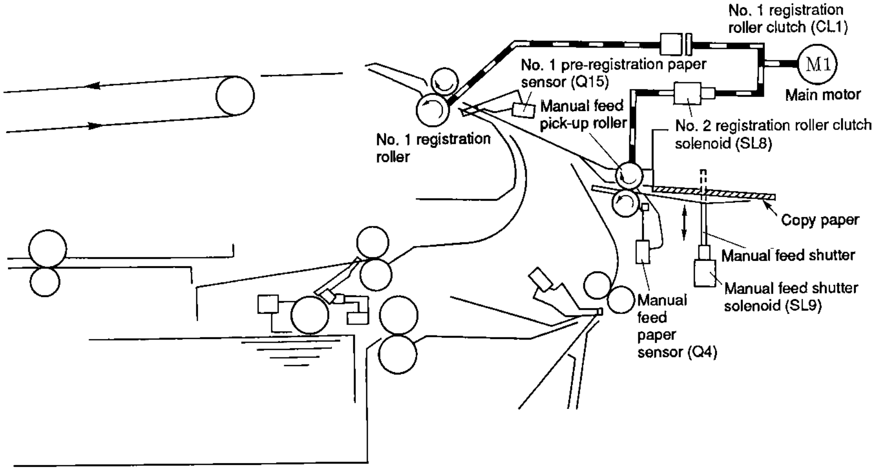
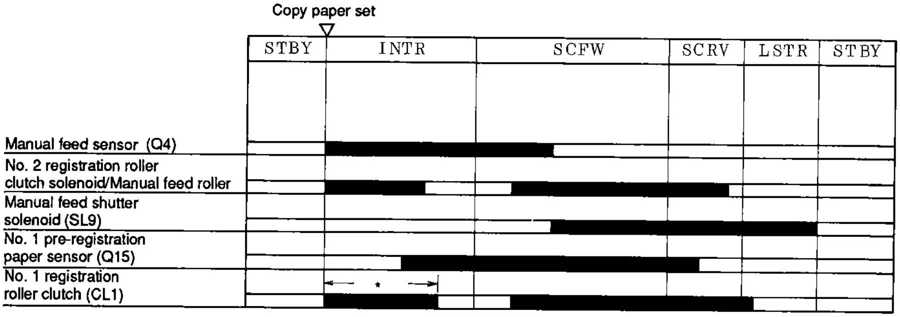

No. 1 registration roller clutch (CL1)
No. 1 pre-registration paper sensor (Q15)
M1
Main motor
Manual feed pick-up roller
No. 2 registration roller clutch solenoid (SL8)
No. 1 registration roller
Copy paper
Manual feed shutter
Manual feed shutter solenoid (SL9)
Manual feed paper sensor (Q4)

Figure 3-49



*Sets the No. 1 registration roller to the home position (horizontal).

Figure 3-50

F. Making a Single Overlay Copy

1. Outline

When copying on the 1st side of a single overlay copy, the paper deflector plate is shifted up as soon as the copy paper reaches the delivery assembly; i.e., the delivery feeder motor (M7) starts to rotate in reverse. The paper is then forwarded to the lower feeder assembly by the paper deflector plate.

Thereafter, the copy paper butts against set-back roller 1 and forms an arch; it then moves past set-back roller 2 and to the lower feeder outlet roller.

The copy paper stops several millimeters past the lower feeder outlet roller to wait for copying on its second side. The paper deflector is then shifted down in preparation for the delivery of the paper.

Note:
The duplex unit feeder inlet roller is equipped with a mechanism that improves separation of copy paper around the photosensitive drum assembly at time of two-sided/overlay copying.

Copying on 1st Side

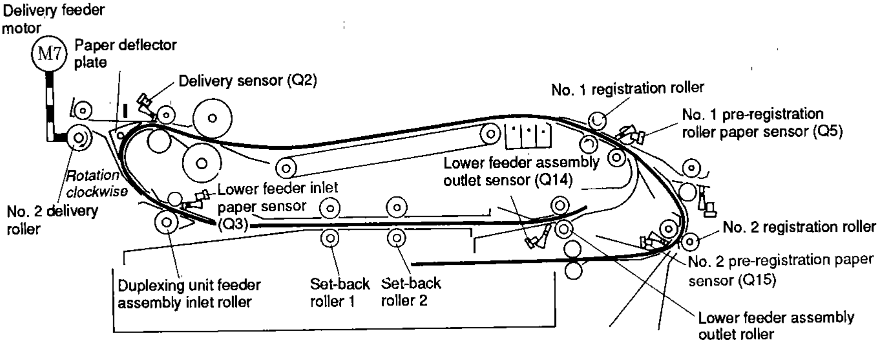

Delivery feeder motor
M7
Paper deflector plate
Delivery sensor (Q2)
No. 1 registration roller
No. 1 pre-registration roller paper sensor (Q5)
Lower feeder assembly outlet sensor (Q14)
Rotation clockwise
Lower feeder inlet paper sensor (Q3)
No. 2 delivery roller
No. 2 registration roller
No. 2 pre-registration paper sensor (Q15)
Duplexing unit feeder assembly inlet roller
Set-back roller 1
Set-back roller 2
Lower feeder assembly outlet roller

Figure 3-51

Copying on 2nd Side

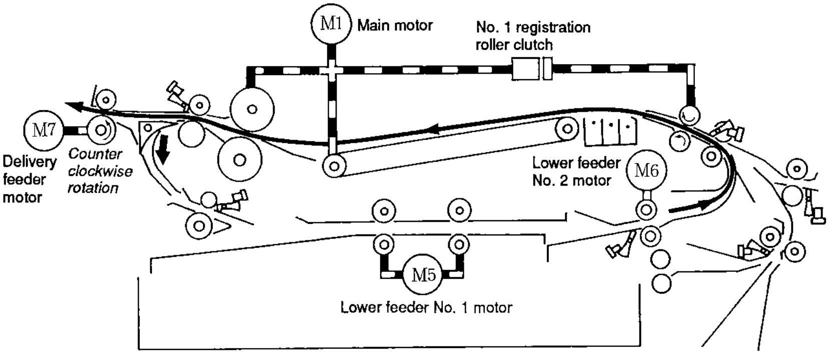

M1
Main motor
No. 1 registration roller clutch
M7
Delivery feeder motor
Counter clockwise rotation
Lower feeder No. 2 motor
M6
M5
Lower feeder No. 1 motor

Figure 3-52

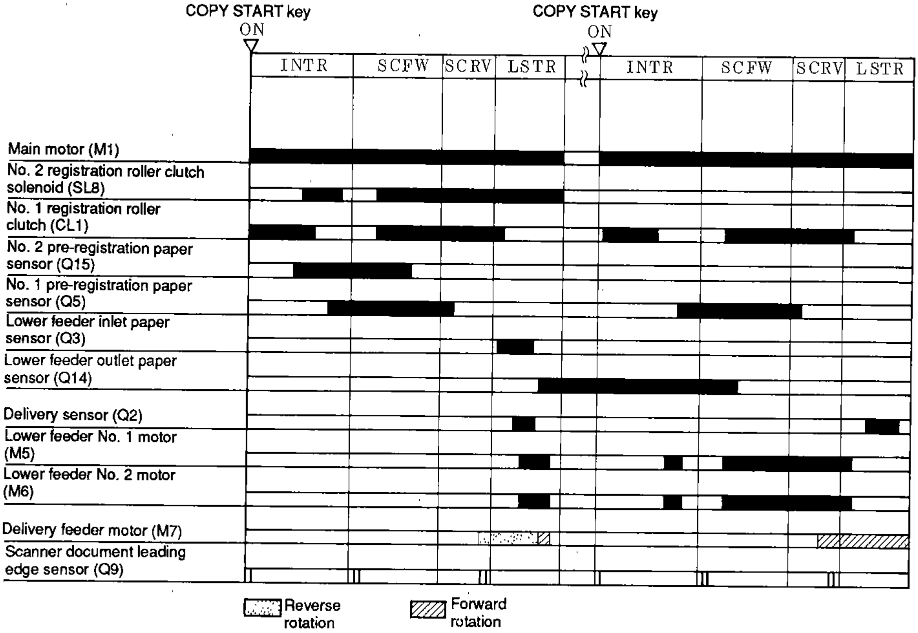


Figure 3-53 A4 (LTR), 1 Copy, DIRECT, Overlay, Pick-Up form 1st Cassette

G. Making a single Two-Sided Copy

1. Outline

When the 1st side of a two-sided copy has been fixed and the trailing edge of the copy paper has moved past the delivery sensor (Q2), the No. 2 delivery roller starts to move in reverse to shift up the paper deflector plate, causing the copy paper to switch back and move to the lower feeder assembly.

The copy paper then stops several millimeters from the lower feeder outlet roller to wait for copying on the 2nd side. The paper deflector plate is then shifted down in preparation for the delivery of the copy paper.

Copying on 1st Side

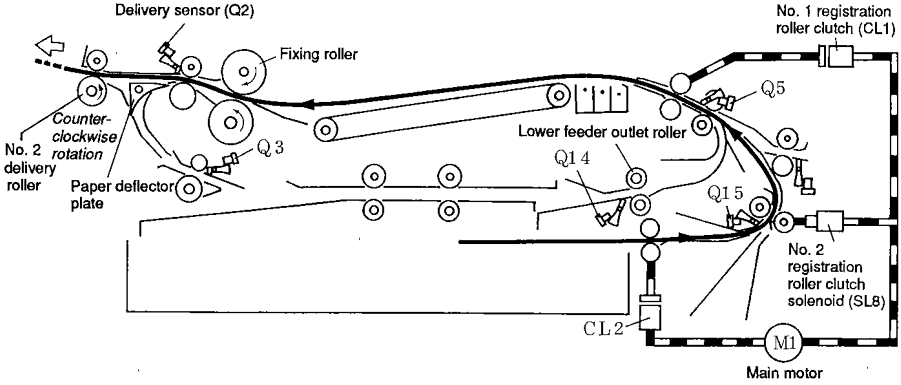

Delivery sensor (Q2)
Fixing roller
No. 1 registration roller clutch (CL1)
Q5
Counter-clockwise rotation
No. 2 delivery roller
Paper deflector plate
Q3
Lower feeder outlet roller
Q14
Q15
No. 2 registration roller clutch solenoid (SL8)
CL2
M1
Main motor

Figure 3-54

Copying on 1st Side (switch-back)

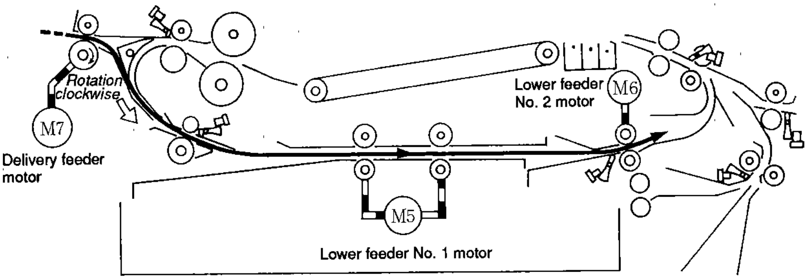

Rotation clockwise
M7
Delivery feeder motor
Lower feeder No. 2 motor
M6
M5
Lower feeder No. 1 motor

Figure 3-55

Copying on 2nd Side

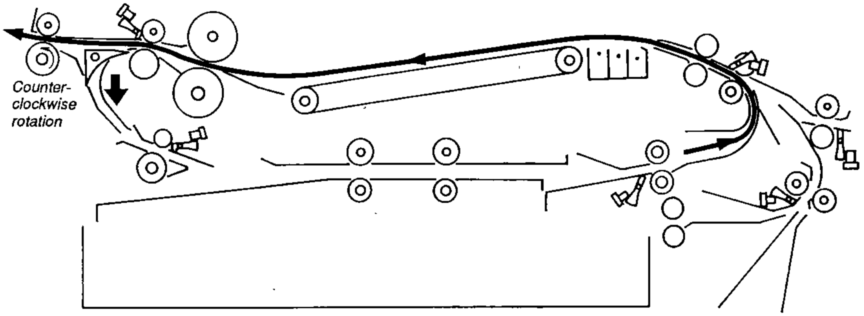

Counter-
clockwise
rotation

Figure 3-56

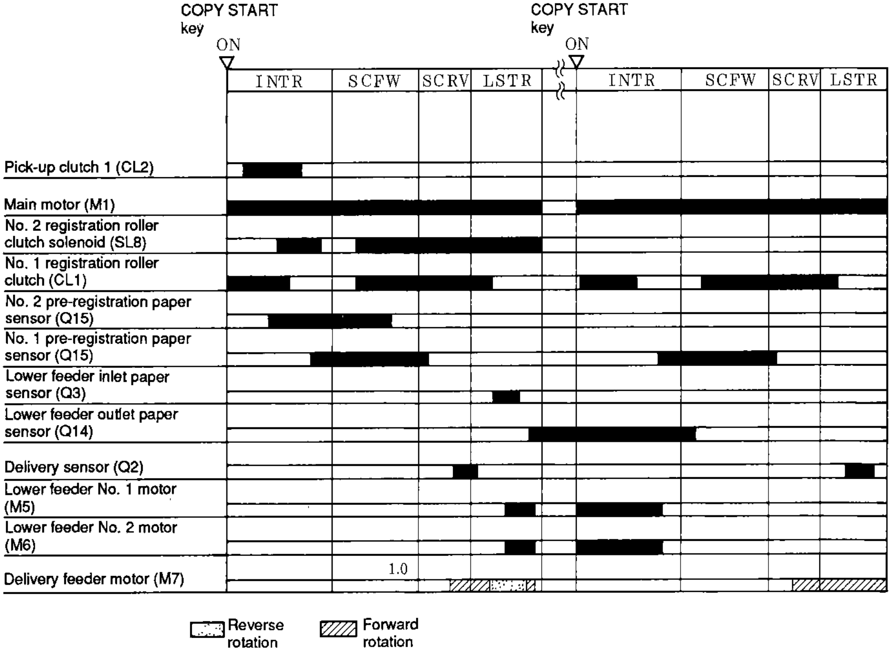


Figure 3-57 A4 (LTR), 1 Copy, DIRECT, Two-Sided, Pick-Up from 1st Cassette

H. Set-Back Mechanism

1. Outline

The machine uses its set-back mechanism to execute continuous copying in the two-sided mode and the overlay mode.

In the set-back mechanism, sheets of copy paper are stacked up in the lower feeder assembly to save space without causing double feeding.

The set-back mechanism is activated under the following conditions:

i. Copy Paper Size
   feeding direction: 182 mm to 216 mm
   around drum (axial): 257 mm to 297 mm

ii. 2 or more copies, up to 20 copies (COPY START key not enabled thereafter)

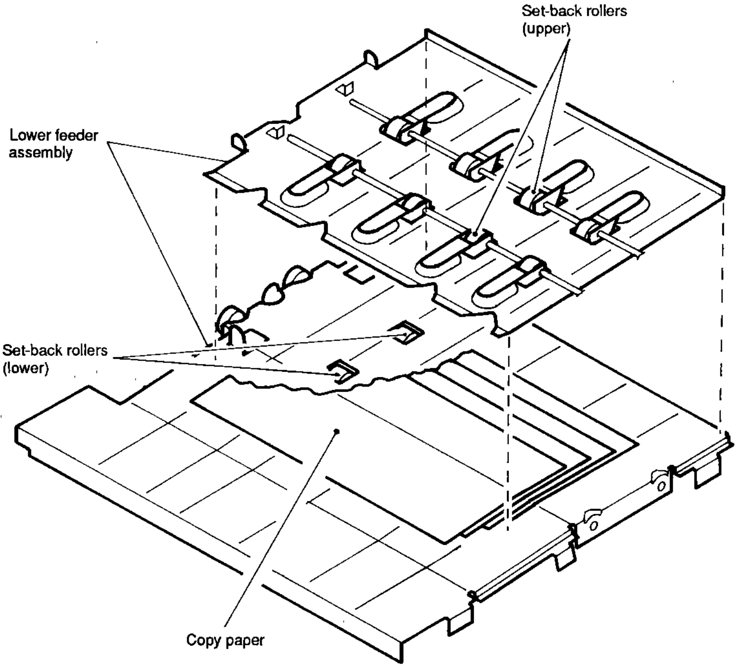

Set-back rollers (upper)
Lower feeder assembly
Set-back rollers (lower)
Copy paper

Figure 3-58

2. Two-Sided/Overlay Copy (1st side)

The set-back mechanism works as shown in Figure 3-59 when two two-sided/overlay copies of A4 (LTR) size are made. The lower feeder inlet roller is driven by the main motor (M1), the set-back roller by the lower feeder No. 1 motor (M5), and the lower feeder outlet roller by the lower feeder No. 2 motor (M6).

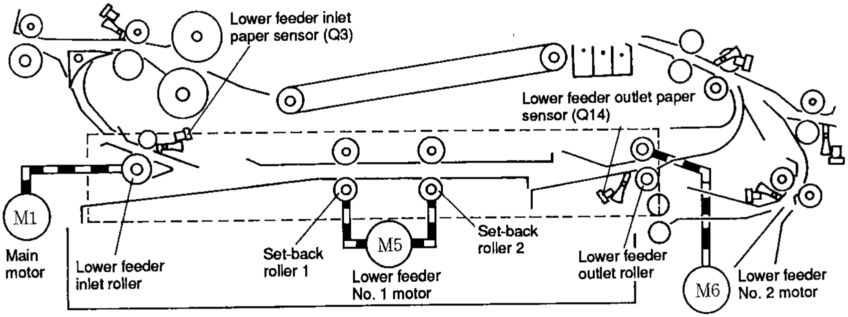

Lower feeder inlet paper sensor (Q3)
Lower feeder outlet paper sensor (Q14)
M1
Main motor
Lower feeder inlet roller
Set-back roller 1
M5
Lower feeder No. 1 motor
Set-back roller 2
Lower feeder outlet roller
M6
Lower feeder No. 2 motor

Figure 3-59

1) The first copy paper is sent tot the lower feeder assembly after copying on its 1st side and is made to butt against set-back roller 1 to form an arch.

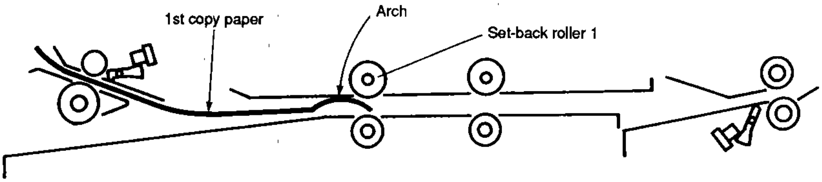

1st copy paper
Arch
Set-back roller 1

Figure 3-60

2) The first copy paper is moved forward and then moved past the lower feeder inlet paper sensor (Q3).

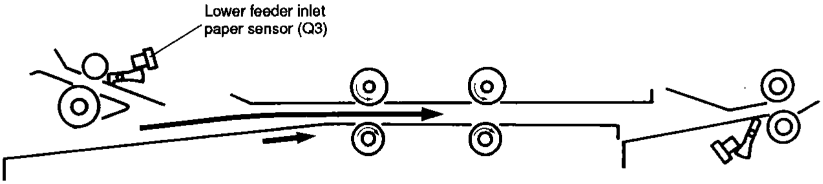

Lower feeder inlet paper sensor (Q3)

Figure 3-61

3) Set-back rollers 1 and 2 are rotated counterclockwise, and the first copy paper is stopped 10 mm from set-back roller 1.

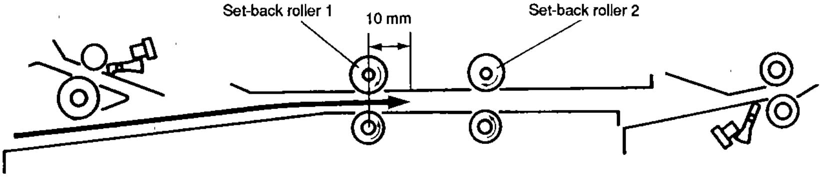

Set-back roller 1
10 mm
Set-back roller 2

Figure 3-62

4) The second copy paper butts against set-back roller 1 to form an arch after copying on its 1st side.

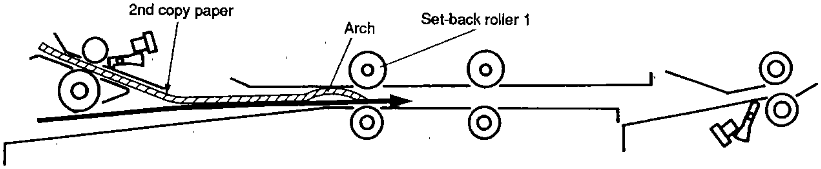

2nd copy paper
Arch
Set-back roller 1

Figure 3-63

5) The first copy paper and the second copy paper are moved forward, and the second copy paper is moved past the lower feeder inlet sensor (Q3).

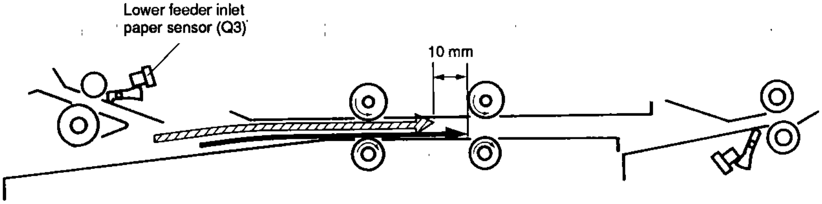

Lower feeder inlet paper sensor (Q3)
10 mm

Figure 3-64

6) Set-back rollers 1 and 2 are rotated counterclockwise, and the second copy paper is stopped 10 mm from set-back roller 1.

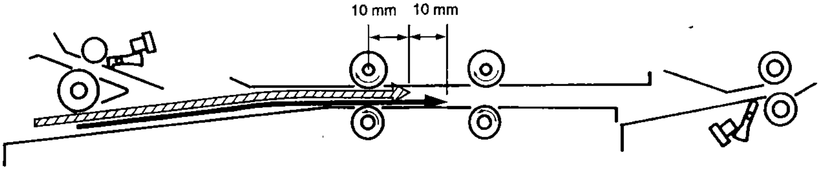


Figure 3-65

7) When all sheets have been stacked, the set-back roller is rotated clockwise, and the copy paper is moved until the the lower feeder outlet sensor (Q14) detects the leading edge of the first copy paper.

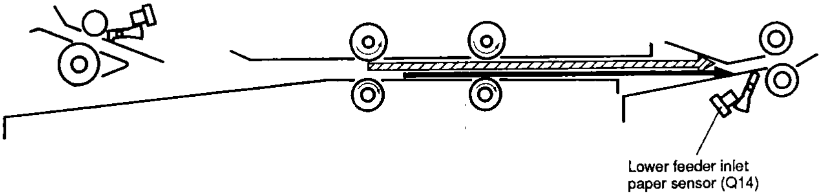
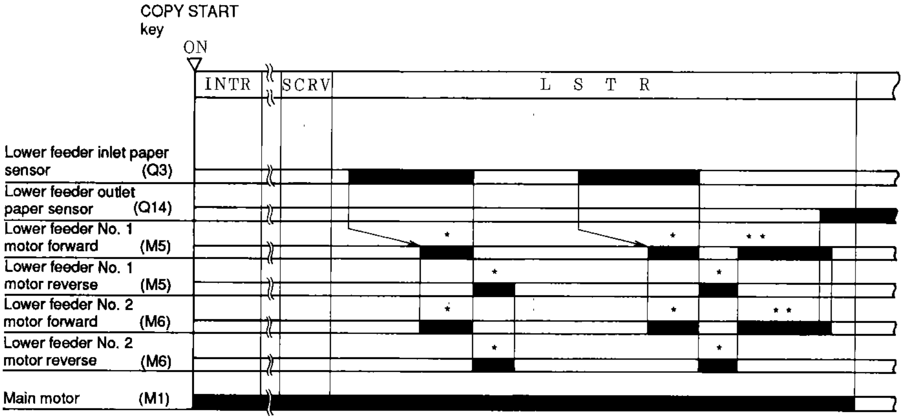


Figure 3-66



*Varies depending on the length of copy paper.
**Varies depending on the number of sheets.

Figure 3-67 A4, 2 Copies, DIRECT, Two-Sided/Overlay Copy (sequence up to lower feeder assembly)

3. Overlay Copy (pick-up; 2nd side)

Copying is finished on the 1st side of the first copy paper and the second copy paper; after a set-back operation, the following operations take place:

1) Set-back rollers 1 and 2 are rotated counterclockwise, and the leading edge of the first copy paper after a set-back is moved back several millimeters in front of the lower feeder outlet paper sensor (Q14).

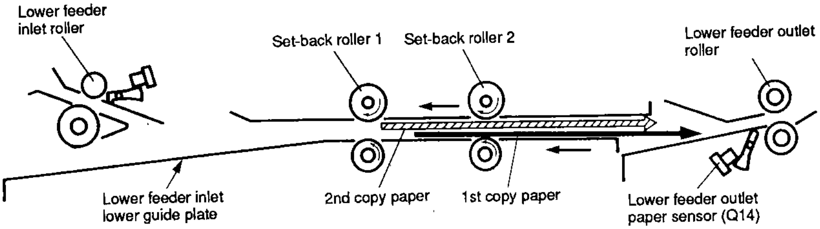

Lower feeder inlet roller
Set-back roller 1
Set-back roller 2
Lower feeder outlet roller
Lower feeder inlet lower guide plate
2nd copy paper
1st copy paper
Lower feeder outlet paper sensor (Q14)

Figure 3-68

2) Set-back rollers 1 and 2 together with the lower feeder outlet roller move the first copy paper about 54 mm* in the direction of the arrow (Figure 3-69) until the copy paper moves past set-back roller 2.
* Varies depending on the size of the paper.
paper length – 158 mm (between set-back roller 2 and lower feeder outlet sensor) + 20 mm (leeway)

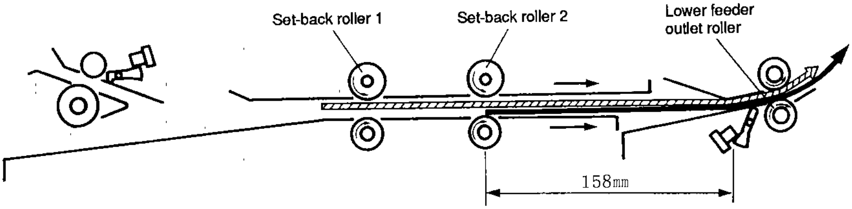

Set-back roller 1
Set-back roller 2
Lower feeder outlet roller
158mm

Figure 3-69

3) While rotating the lower feeder outlet roller in the direction of the arrow (Figure 3-70), set-back rollers 1 and 2 are rotated counterclockwise to separate the first copy paper and the second copy paper.

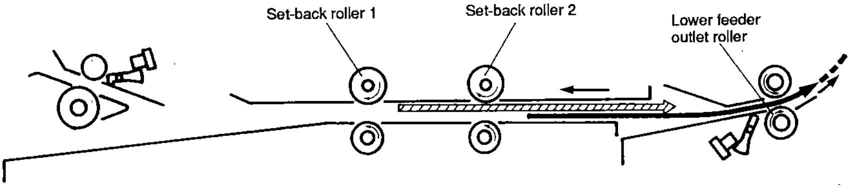

Set-back roller 1
Set-back roller 2
Lower feeder outlet roller

Figure 3-70

4) The second copy paper is stopped when its leading edge has moved back several millimeters from the lower feeder outlet sensor; the first copy paper is forwarded to the No. 1 registration roller.

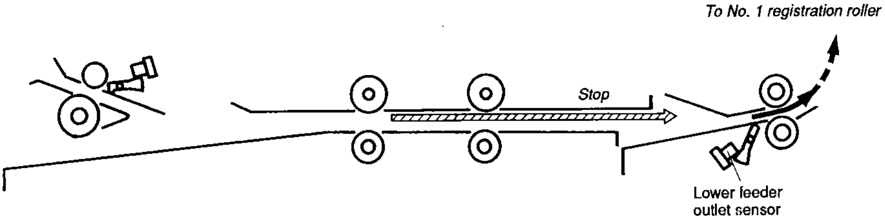

To No. 1 registration roller
Stop
Lower feeder outlet sensor

Figure 3-71

5) After the first copy paper is detected by the No. 1 pre-registration roller sensor, the second copy paper is moved by set-back roller 2 and the lower feeder outlet roller until it moves past set-back roller 2.

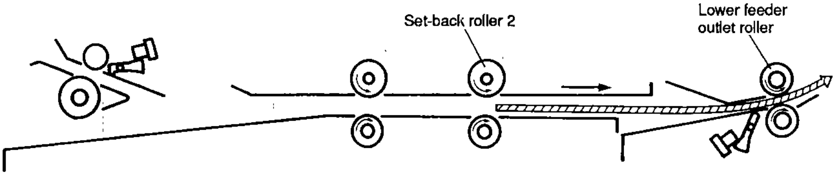

Set-back roller 2
Lower feeder outlet roller

Figure 3-72

6) Thereafter, the second copy paper is moved to the No. 1 registration roller by the lower feeder outlet roller.

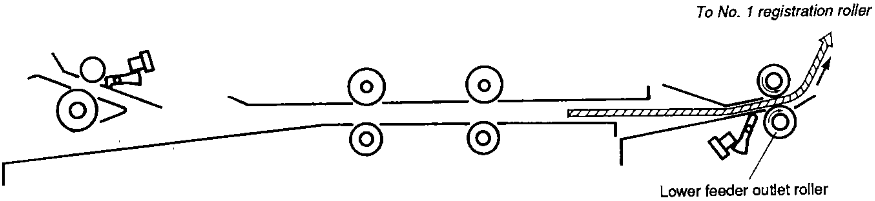
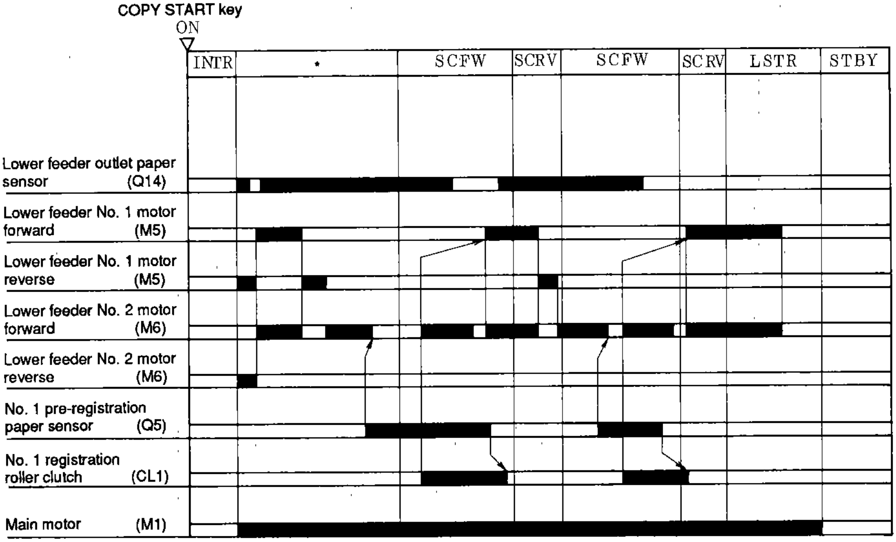

To No. 1 registration roller
Lower feeder outlet roller

Figure 3-73



* While copy paper is moving, i.e., scanner at standby.

Figure 3-74 A4, 2 Copies, DIRECT, Overlay Copy (pick-up from duplexing unit feeder assembly)

4. Two-Sided Copy (2nd side)

Copying is finished on the 1st side of the first copy paper and the second copy paper; after a set-back operation, the following operations take place:

1) Set-back rollers 1 and 2 are rotated counterclockwise, and the leading edge of the first copy paper after a set-back is moved back several millimeters in front of the lower feeder outlet paper sensor (Q14).

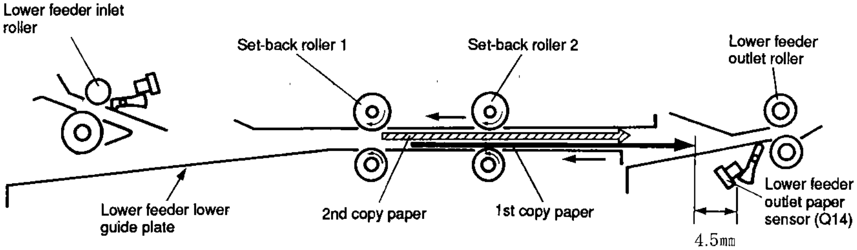

Lower feeder inlet roller
Set-back roller 1
Set-back roller 2
Lower feeder outlet roller
Lower feeder lower guide plate
2nd copy paper
1st copy paper
Lower feeder outlet paper sensor (Q14)
4.5mm

Figure 3-75

2) Set-back rollers 1 and 2 and the lower feeder outlet roller are rotated in the direction of the arrow (Figure 3-76) about an equivalent of 54 mm* until the first copy paper moves past set-back roller 2.
* Varies depending on the size of the paper.
paper length - 158 mm (between set-back roller 2 and lower feeder outlet sensor) + 20 mm (leeway)

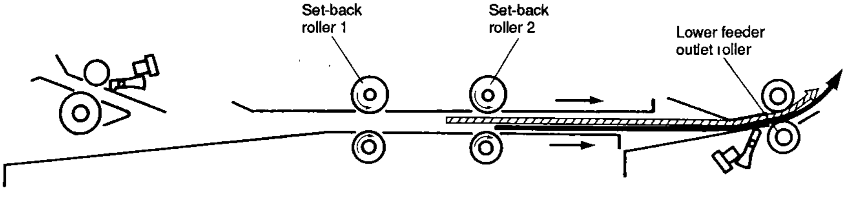

Set-back roller 1
Set-back roller 2
Lower feeder outlet roller

Figure 3-76

3) With the lower feeder outlet roller at rest, set-back rollers 1 and 2 are rotated counterclockwise to move the second copy paper past the lower feeder outlet roller.

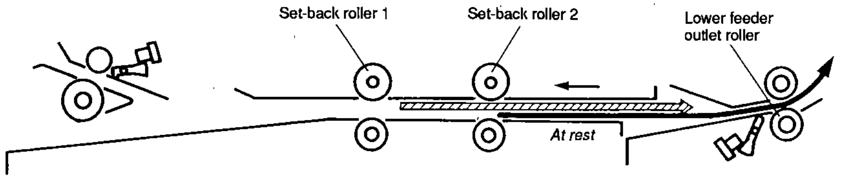

Set-back roller 1
Set-back roller 2
Lower feeder outlet roller
At rest

Figure 3-77

4) The second copy paper is stopped when its leading edge moves back several millimeters from the lower feeder outlet paper sensor (Q14).

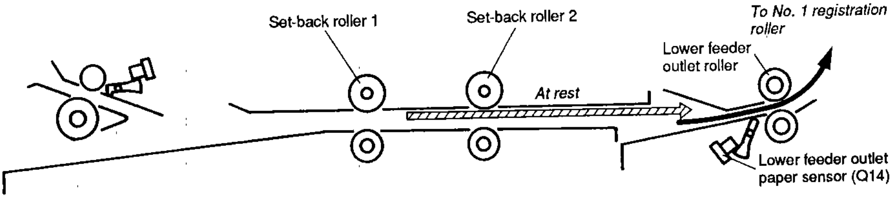

Set-back roller 1
Set-back roller 2
To No. 1 registration roller
Lower feeder outlet roller
At rest
Lower feeder outlet paper sensor (Q14)

Figure 3-78

5) When the No. 1 pre-registration roller paper sensor (Q5) detects the first copy paper, set-back roller 2 and the lower feeder outlet roller move the second copy paper until it moves past set-back roller 2.

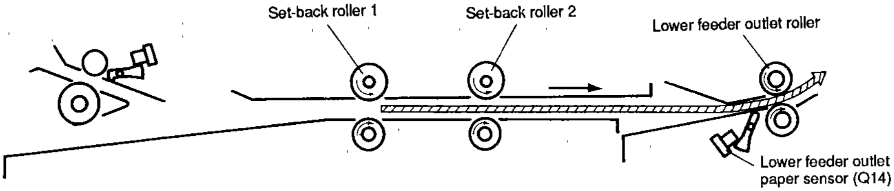

Set-back roller 1
Set-back roller 2
Lower feeder outlet roller
Lower feeder outlet paper sensor (Q14)

Figure 3-79

6) Thereafter, the second copy paper is moved to the No. 1 registration roller by the lower feeder outlet roller,

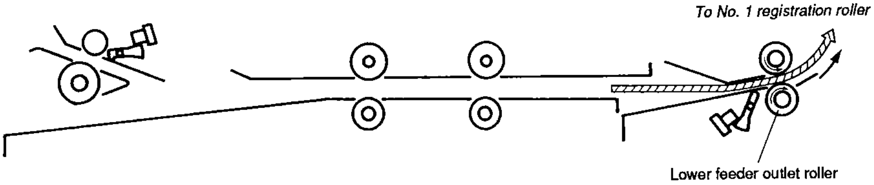
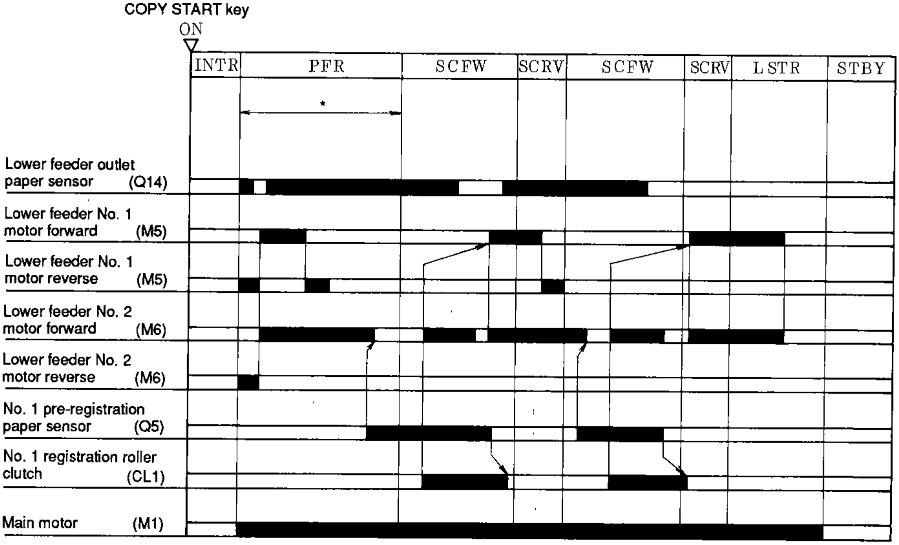

To No. 1 registration roller
Lower feeder outlet roller

Figure 3-80



* While copy paper is being moved, i.e., scanner at standby.

Figure 3-81 A4, 2 Copies, DIRECT, Two-Sided Copy (pick-up from lower feeder assembly)

I. Moving the No. 1 Registration Roller Horizontally

1. Outline

The machine moves the No. 1 registration roller sideways for each copy for the following:

a. to match the image horizontal edge on the photosensitive drum with the edge of the copy paper.

The horizontal registration motor (M4) is a stepping motor and is used to drive the No. 1 registration roller in the horizontal (drum axial) direction.

The drive of the horizontal motor (M4) is transmitted to gear C, which is a single entity with gear B, through gears A and B.

The rotation of gear C causes the No. 1 registration roller to move sideways; see Figure 3-82.

The horizontal home position of the No. 1 registration roller is determined by causing the No. 1 registration roller to move to the direction of the arrow (Figure 3-82) until it butts against the stop when the COPY START key is pressed.

When the copy paper reaches the No. 1 registration roller, the horizontal registration motor (M4) goes ON, causing the No. 1 registration roller to move toward the front.

When the horizontal registration paper edge sensor (Q6) detects the edge of the copy paper, the horizontal registration motor (M4) rotates counterclockwise for a specific number of pulses, thereby moving the No. 1 registration roller toward the rear.

The No. 1 registration roller is always rotated when the horizontal registration motor goes ON so as to facilitate the horizontal movement of the No. 1 registration roller.

When in the manual feed mode, horizontal control of the No. 1 registration roller is not executed.

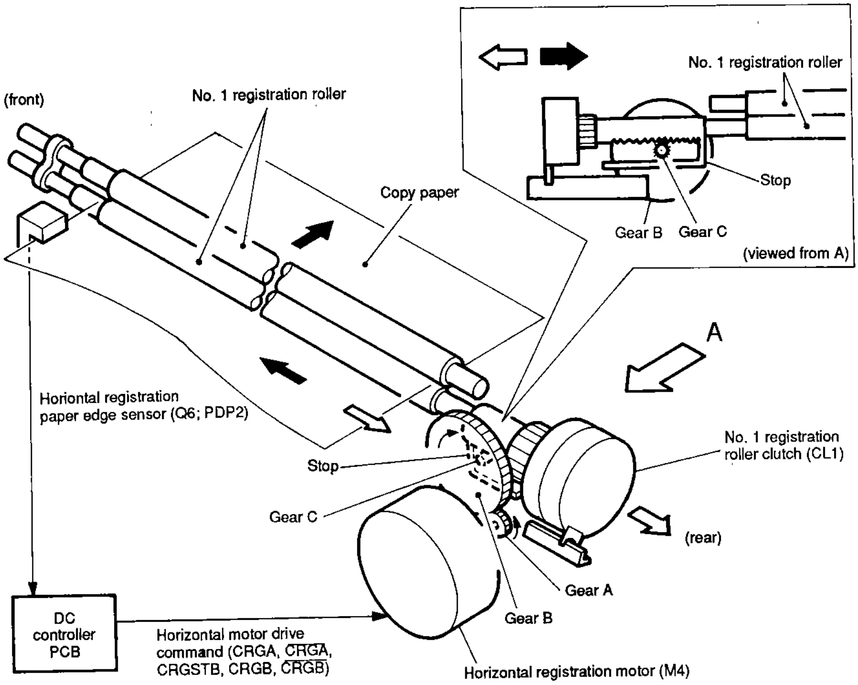
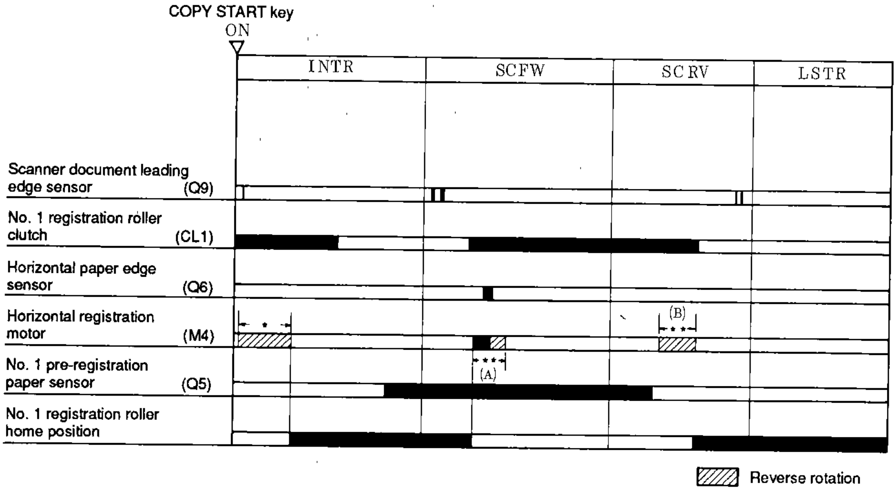

No. 1 registration roller
Stop
Gear B
Gear C
(viewed from A)
(front)
No. 1 registration roller
Copy paper
A
Horiontal registration paper edge sensor (Q6; PDP2)
No. 1 registration roller clutch (CL1)
Stop
Gear C
(rear)
Gear A
Gear B
DC controller PCB
Horizontal motor drive command (CRGA, $\overline{\text{CRGA}}$, CRGSTB, CRGB, $\overline{\text{CRGB}}$)
Horizontal registration motor (M4)

Figure 3-82



* Setting the No. 1 registration roller to the home position.

** Operation is as follows:

A: Rotated clockwise from when the No. 1 registration roller is at the home position until the horizontal registration paper edge sensor (Q6) detects the copy paper and then rotated for a specific number of pulses; rotated counterclockwise only if Q6 detects the copy paper at the beginning of the period.

B: Rotated to move the No. 1 registration roller to the home position over a distance equal to A above.

Figure 3-83 A4, 1 Copy, DIRECT, One-Sided Document to One-Sided Copy, Pick-Up from 1st Cassette (No. 1 registration roller horizontal movement)

J. Fixing and Delivery Assemblies

1. Controlling the Temperature of the Fixing Roller

The upper roller, lower roller, and No. 1 delivery roller of the fixing assembly are driven by the main motor (M1).

The upper roller is heated by the fixing heater (H1; 800 W), and the temperature of its surface is monitored by a thermistor (TH1).

Fixing assembly surface temperature is high.

↳ Resistance of thermistor (TH1) is low.

↳ Voltage of fixing roller surface temperature sensor signal (FRST) is low.

Fixing assembly surface temperature is low.

↳ Resistance of thermistor (TH1) is high.

↳ Voltage of fixing roller surface temperature sensor signal (FRST) is high.

Based on the voltage of FRST, the microprocessor on the DC controller PCB controls the state of the fixing heater drive signal (HTRD; i.e., '1' and '0'), thereby maintaining the surface temperature of the upper roller at a specific value.

during standby and copying, controlled to 190°C
during preheat, controlled to 180°C

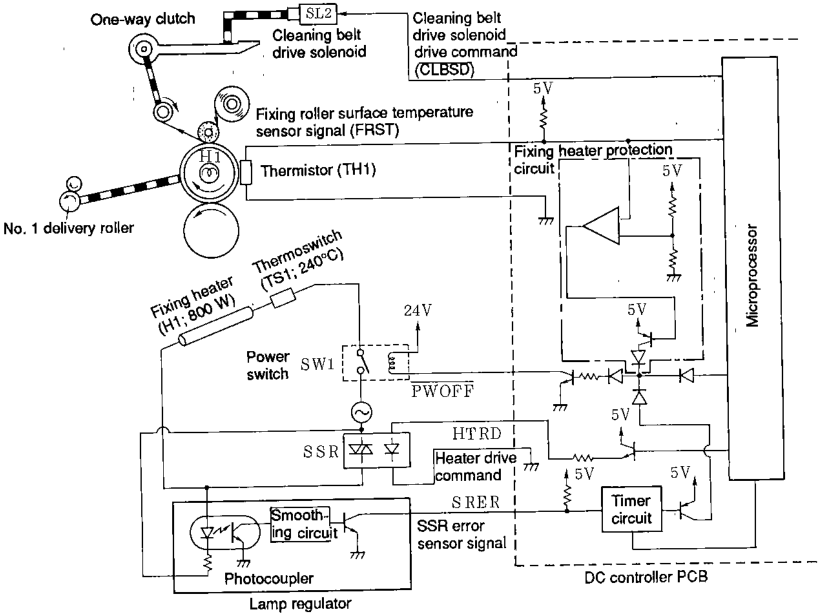

One-way clutch
SL2
Cleaning belt drive solenoid
Cleaning belt drive solenoid drive command (CLBSD)
5V
Fixing roller surface temperature sensor signal (FRST)
H1
Thermistor (TH1)
Fixing heater protection circuit
5V
No. 1 delivery roller
Microprocessor
Thermoswitch (TS1; 240°C)
Fixing heater (H1; 800 W)
24V
5V
Power switch
SW1
PWOFF
5V
HTRD
SSR
Heater drive command
5V
5V
SRER
Timer circuit
Smoothing circuit
SSR error sensor signal
Photocoupler
DC controller PCB
Lamp regulator

Figure 3-84

2. Protection Mechanism

The machine is equipped with four types of protective mechanism to prevent malfunctions of the fixing heater.

a. The microprocessor monitors the voltage of the thermistor (TH1); in response to an error, it indicates 'E000', 'E001', 'E002', and 'E003' and switches the machine OFF automatically about 20 sec later.

b. If the voltage of TH1 drops to less than 1.1 V (equivalent of 225°C, the fixing heater protection circuit goes ON to turn the power switch (SW1) OFF; this occurs automatically and regardless of the output of the microprocessor.

c. If the temperature inside the thermoswitch exceeds 240°C, the thermoswitch goes OFF to cut the power to the fixing heater.

d. The DC controller circuit monitors the state of the SSR; if the SSR suffers a short circuit, the SSR error sensor signal (SRER) goes '1'; the condition causes 'E004' to go ON and, after about 2 sec, the power switch (SW1) goes OFF automatically.

The power switch goes OFF 2 seconds later even if the thermo switch is OFF or the fixing heater goes OFF.

Note:
Once its contact is open, the thermoswitch (TS1) will not be reset unless it is cooled to 0°C or less; the contact will not recover at ambient temperature.

3. Fixing Roller Bias

A positive DC bias (750 V) is applied to the core of the upper fixing roller during copying operation.

The bias is used to limit offset to the fixing roller; the fixing roller bias is generated by the AC component of the developing bias after rectification.

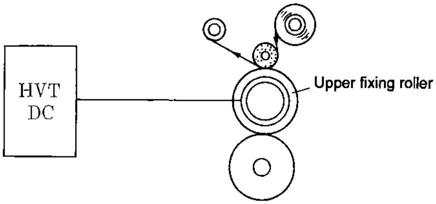


Figure 3-85

4. Moving the Cleaning Belt

The cleaning belt used to clean the upper fixing roller is driven by the cleaning belt drive signal (CLBSD) generated by the DC controller; the '1' or '0' state of the signal causes the cleaning belt drive solenoid to go ON and OFF. A single ON state of the solenoid causes the belt to be taken up about 0.04mm; the number of ON and OFF states of the cleaning belt drive solenoid depends on the length of the copy paper used (Table 3-11).

The operation of the solenoid may be switched, in the service mode.

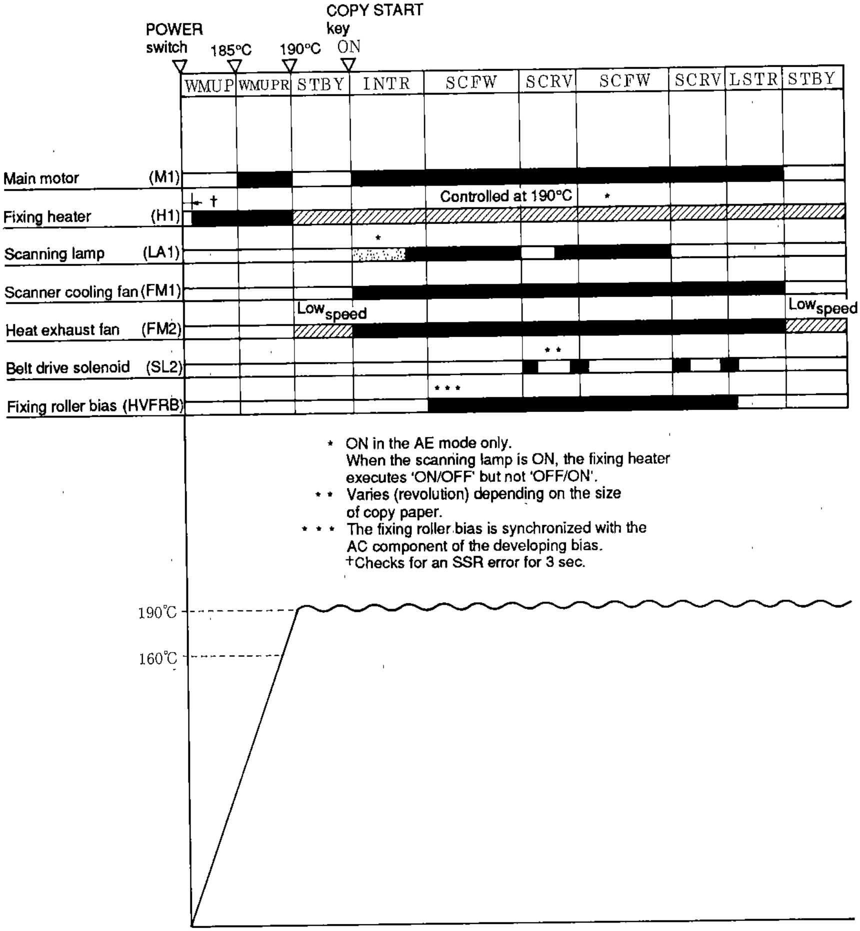
Length of copy paper	Cleaning belt drive solenoid (ON/OFF)
less than 216 mm	once
216 mm or more	twice

Table 3-11

Note:
In the manual feed mode, the cleaning belt drive solenoid is turned ON and OFF twice regardless of the length of the copy paper used.

The DC controller PCB counts how may times the cleaning belt drive solenoid has gone ON; when it has gone ON 300,00 times or more, it indicates the 'BELT RUNNING OUT' message on the display during copy operation. Advise the user to make a serviceman call when the message appears. The counter may be checked and cleared in the service mode.

5. Sequence of Operation (fixing assembly)


POWER switch
185°C
190°C
COPY START key ON
WMUP
WMUPR
STBY
INTR
SCFW
SCRV
SCFW
SCRV
LSTR
STBY
Main motor (M1)
Fixing heater (H1)
Scanning lamp (LA1)
Scanner cooling fan (FM1)
Heat exhaust fan (FM2)
Belt drive solenoid (SL2)
Fixing roller bias (HVFRB)
†
Controlled at 190°C
*
*
Low speed
Low speed
* *
* * *
190℃
160℃

- * ON in the AE mode only.
  When the scanning lamp is ON, the fixing heater executes 'ON/OFF' but not 'OFF/ON'.
- * * Varies (revolution) depending on the size of copy paper.
- * * * The fixing roller bias is synchronized with the AC component of the developing bias.
- †Checks for an SSR error for 3 sec.

Figure 3-86

6. Delivery Assembly

The delivery feeder motor (M7) is a 4-phase stepping motor.

As shown in Figure 3-87, gear C is driven by the delivery feeder motor. The direction of rotation and the paper deflector plate of the No. 2 delivery roller (lower) are switched according to the direction of rotation of the delivery feeder motor.

The paper deflector plate is shifted as Figures 3-88, -89 and -90 by the rotation of gear A whose drive is transmitted by gear B. The movements determine whether the copy paper is moved to the lower feeder assembly or to the copy tray.

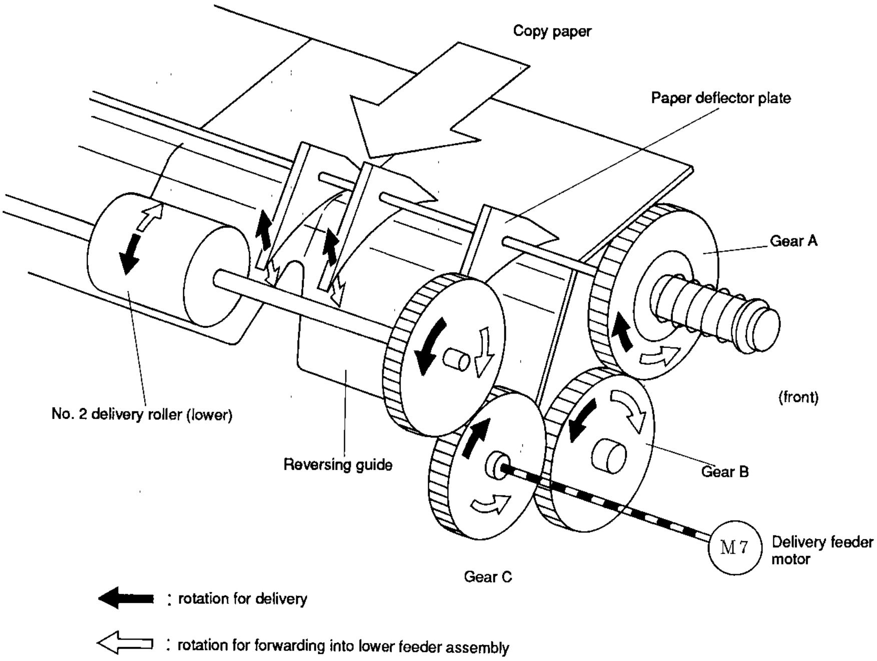

Copy paper
Paper deflector plate
Gear A
(front)
No. 2 delivery roller (lower)
Reversing guide
Gear B
M 7
Delivery feeder motor
Gear C
: rotation for delivery
: rotation for forwarding into lower feeder assembly

Figure 3-87

At Time of Delivery

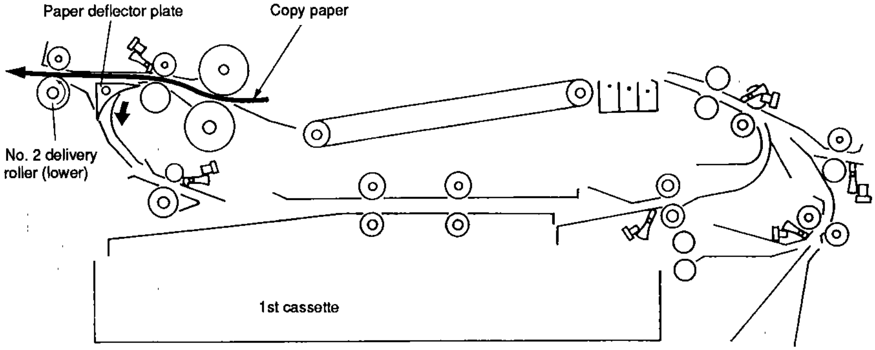

Paper deflector plate
Copy paper
No. 2 delivery roller (lower)
1st cassette

Figure 3-88

Forwarding to Lower Feeder Assembly (overlay copy)

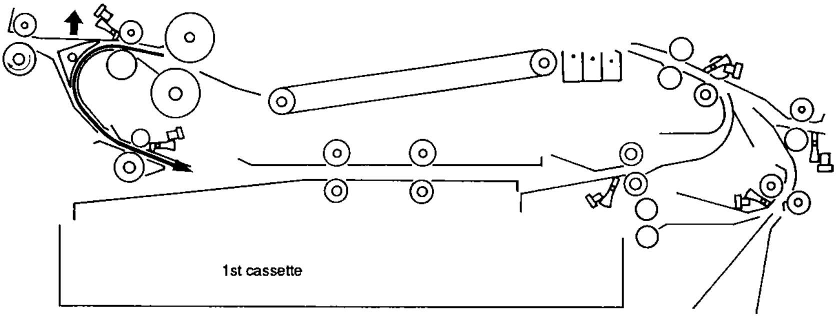

1st cassette

Figure 3-89

- At Time of Switch-Back

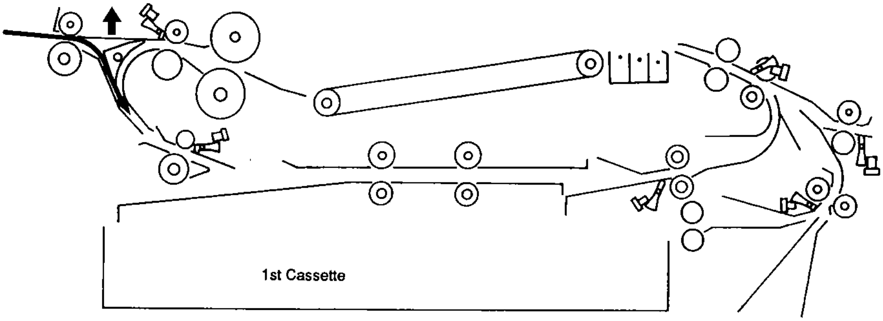

1st Cassette

Figure 3-90

K. Checking for Jams

The machine is equipped with the following paper sensors used to check the presence/absence of paper and the movement of paper.

- No. 1 pre-registration paper sensor (Q5)
- No. 2 pre-registration paper sensor (Q15)
- No. 3 pre-registration paper sensor (Q16)
- No. 4 pre-registration paper sensor (Q854)
- Delivery sensor (Q2)
- Lower feeder inlet paper sensor (Q3)
- Lower feeder outlet paper sensor (Q14)
- Manual feed paper sensor (Q4)

The presence/absence of paper and jams are checked in terms of the presence/absence of paper over respective sensors at such times as pre-programmed in the microprocessor on the DC controller PCB.

The machine can keep track of the remaining number of copies to be made and the copy modes effective at time of a jam; for this reason, the copy count need not be reset after opening and closing of the machine for jam removal.

The microprocessor identifies the following conditions as jams; in addition, it identifies a jam if any of the sensors detects paper at time of power-on. Opening of the upper right door, lower door, or delivery door and moving the manual feed tray cover or the cassette are also identified as a jam.

1. No. 1 Pre-Registration Delay Jam

The copy paper does not reach the No. 1 pre-registration paper sensor (Q5) within a specific period of time after the No. 2 registration roller clutch solenoid (SL8) has gone ON.

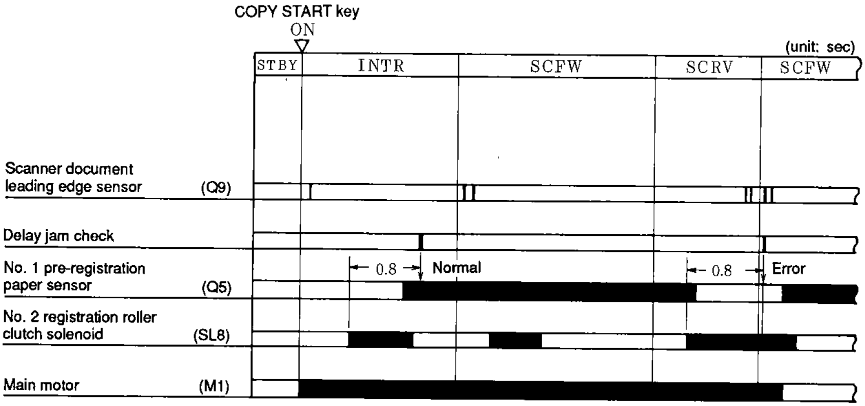


Figure 3-91

2. No. 1 Pre-Registration Timing Jam

The copy paper reaches the No. 1 pre-registration paper sensor (Q5) before a specific period of time after the No. 2 registration roller clutch solenoid (SL8) has gone ON.

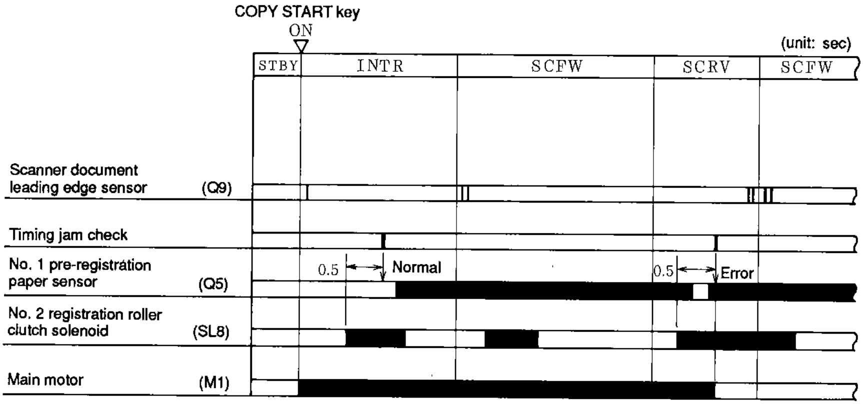
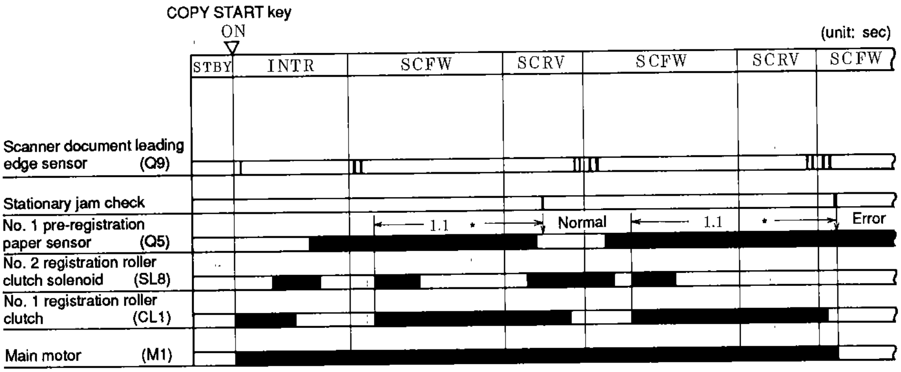


Figure 3-92

3. No. 1 Pre-Registration Stationary Jam

The copy paper does not move past the No. 1 pre-registration paper sensor (Q5) within a specific period of time after the No. 2 registration roller clutch solenoid (SL8) has gone ON.

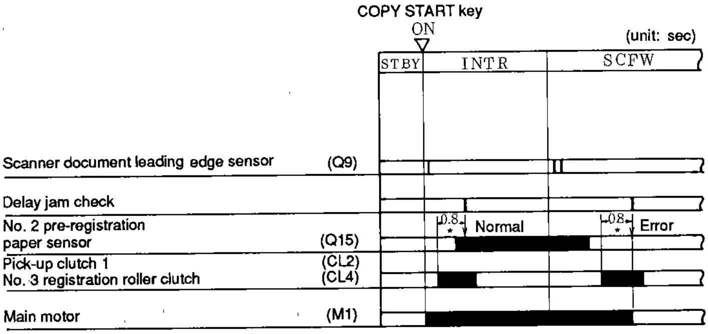

COPY START key
ON
(unit: sec)
STBY
INTR
SCFW
SCRV
SCFW
SCRV
SCFW
Scanner document leading edge sensor (Q9)
Stationary jam check
No. 1 pre-registration paper sensor (Q5)
1.1 *
Normal
1.1 *
Error
No. 2 registration roller clutch solenoid (SL8)
No. 1 registration roller clutch (CL1)
Main motor (M1)

* Varies depending on the length of paper; the above is based on A4 size.

Figure 3-93

4. No. 2 Pre-Registration Delay Jam

The copy paper does not reach the No. 2 pre-registration sensor (Q15) within a specific period of time after pick-up clutch 1 (CL2) or the No. 3 registration roller clutch (CL4) has gone ON.

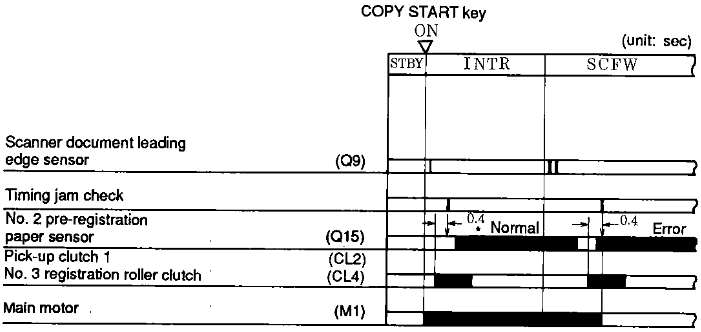

COPY START key
ON
(unit: sec)
STBY
INTR
SCFW
Scanner document leading edge sensor (Q9)
Delay jam check
No. 2 pre-registration paper sensor (Q15)
0.8 *
Normal
0.8 *
Error
Pick-up clutch 1 (CL2)
No. 3 registration roller clutch (CL4)
Main motor (M1)

- * Varies depending on the source of pick-up; the above represents pick-up from the 1st cassette.
- 0.9 sec if pick-up is from the 2nd cassette.
- 1.0 sec if pick-up is from the No. 3 registration roller.

Figure 3-94

5. No. 2 Pre-Registration Timing Jam

The copy paper reaches the No. 2 pre-registration paper sensor (Q15) before a specific period of time after pick-up clutch 1 (CL2) or the No. 3 registration roller clutch (CL4) has gone ON.

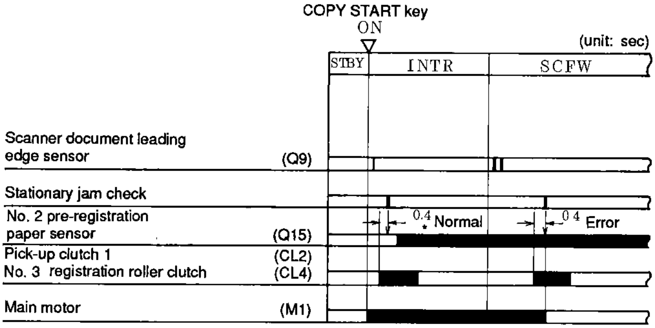


* Varies depending on the source of pick-up; the above represents pick-up from the 1st cassette.
- 0.5 sec if pick-up is from the 2nd cassette.
- 0.6 sec if pick-up is from the No. 3 registration roller.

Figure 3-95

6. No. 2 Pre-Registration Stationary Jam

The copy paper does not move past the No. 2 pre-registration paper sensor (Q15) within a specific period of time after pick-up clutch 1 (CL2) or the No. 3 registration roller clutch (CL4) has gone ON. Checks for stationary jams are executed in the same way as timing jams.



* Varies depending on the source of pick-up; the above is based on pick-up from the 1st cassette.
- 0.5 sec if pick-up is from the 2nd cassette.
- 0.6 sec if pick-up is from the No. 3 registration roller.

Figure 3-96

7. No. 3 Pre-Registration Delay Jam

The copy paper does not reach the No. 3 pre-registration paper sensor (Q16) within a specific period of time after pick-up clutch 2 (CL801) or the No. 4 registration roller clutch solenoid (SL802) has gone ON.

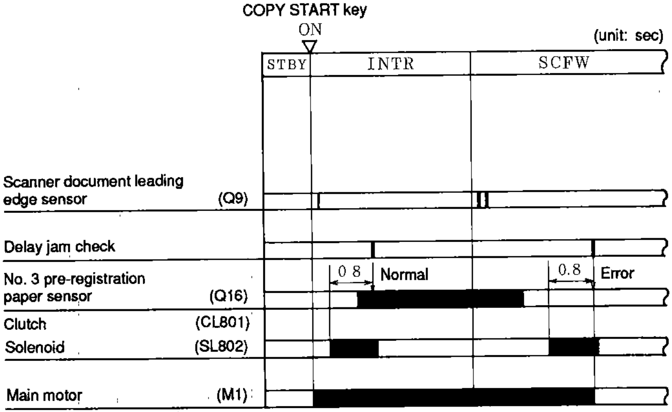

COPY START key
ON
(unit: sec)
STBY
INTR
SCFW
Scanner document leading edge sensor (Q9)
Delay jam check
No. 3 pre-registration paper sensor (Q16)
0.8
Normal
0.8
Error
Clutch (CL801)
Solenoid (SL802)
Main motor (M1)

Figure 3-97

8. No. 3 Pre-Registration Timing Jam

The copy paper reaches the No. 3 pre-registration paper sensor (Q16) before a specific period of time after pick-up clutch (CL801) or the No. 4 registration roller clutch solenoid (SL802) has gone ON.

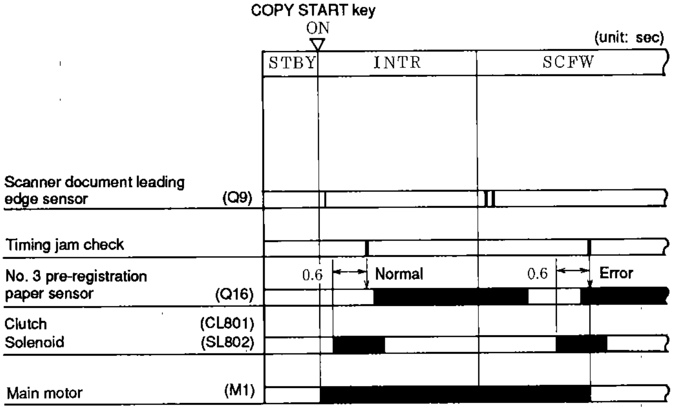

COPY START key
ON
(unit: sec)
STBY
INTR
SCFW
Scanner document leading edge sensor (Q9)
Timing jam check
No. 3 pre-registration paper sensor (Q16)
0.6
Normal
0.6
Error
Clutch (CL801)
Solenoid (SL802)
Main motor (M1)

Figure 3-98

9. No. 3 Pre-Registration Stationary Jam

The copy paper does not move past the No. 3 pre-registration paper sensor (Q16) within a specific period of time after pick-up clutch 2 (CL801) or the No. 4 registration roller clutch solenoid (SL802) has gone ON. Checks for stationary jams are executed in the same way as timing jams.

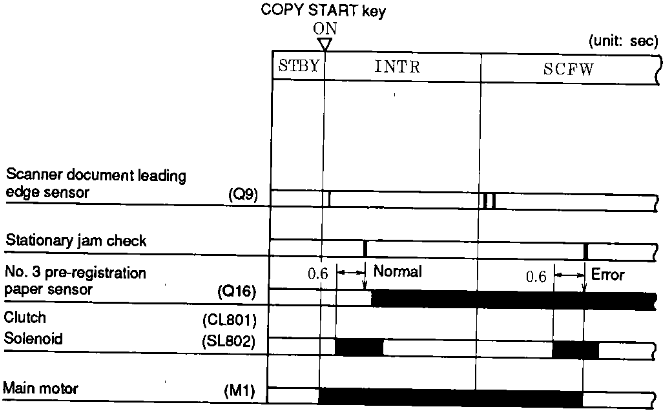


Figure 3-99

10. No. 4 Pre-Registration Delay Jam

The copy paper does not reach the No. 4 pre-registration paper sensor (Q854) within a specific period of time after pick-up clutch 2 (CL801) has gone ON.

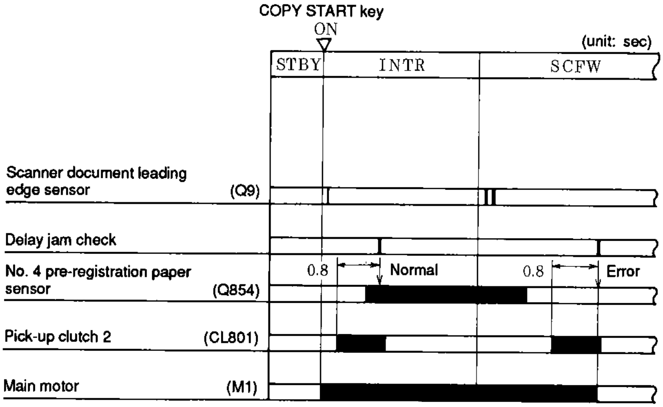


Figure 3-100

11. No. 4 Pre-Registration Timing Jam

The copy paper reaches the No. 4 pre-registration paper sensor (Q854) before a specific period of time after pick-up clutch 2 (CL801) has gone ON.

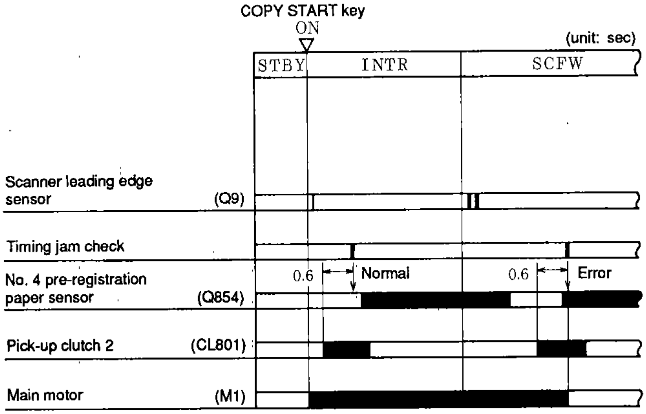

COPY START key
ON
(unit: sec)
STBY
INTR
SCFW
Scanner leading edge sensor (Q9)
Timing jam check
No. 4 pre-registration paper sensor (Q854)
0.6
Normal
0.6
Error
Pick-up clutch 2 (CL801)
Main motor (M1)

Figure 3-101

12. No. 4 Registration Roller Stationary Jam

The copy paper does not move past the No. 4 pre-registration sensor (Q854) within a specific period of time after pick-up clutch 2 (CL801) has gone ON. Checks for stationary jams are executed in the same way as timing jams.

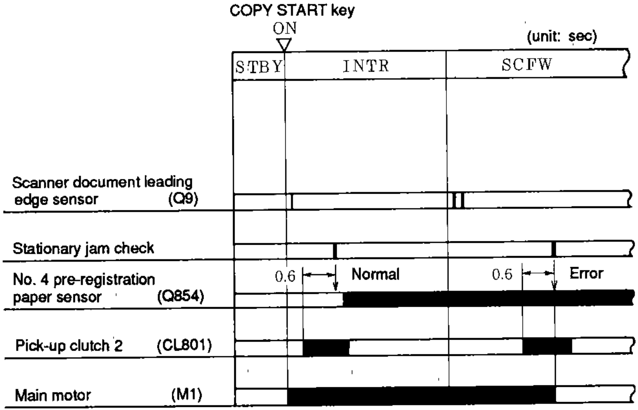

COPY START key
ON
(unit: sec)
STBY
INTR
SCFW
Scanner document leading edge sensor (Q9)
Stationary jam check
No. 4 pre-registration paper sensor (Q854)
0.6
Normal
0.6
Error
Pick-up clutch 2 (CL801)
Main motor (M1)

Figure 3-102

13. Delivery Delay Jam

The copy paper does not reach the delivery sensor (Q2) within a specific period of time after the No. 1 registration roller (CL1) has gone ON.

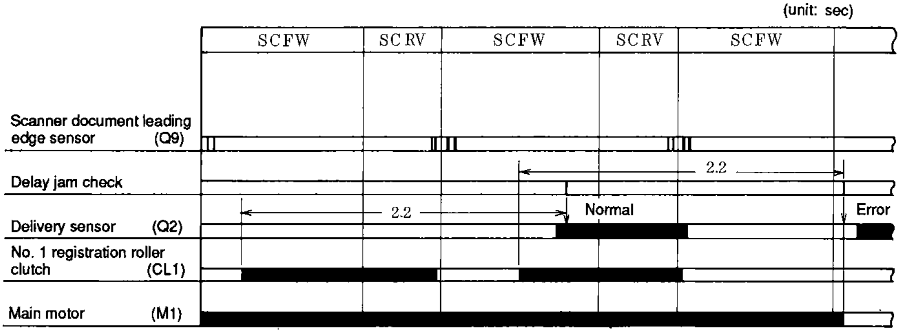


Figure 3-103

14. Delivery Timing Jam

The copy paper reaches the delivery sensor (Q2) before a specific period of time after the No. 1 registration roller clutch (CL1) has gone ON.

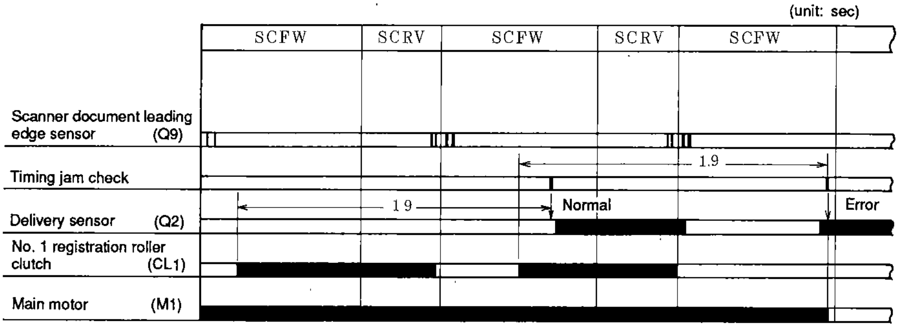


Figure 3-104

15. Delivery Stationary Jam

The copy paper does not move past the delivery sensor (Q2) within a specific period of time after the No. 1 registration roller clutch (CL1) has gone ON. Checks for stationary jams are executed in the same way as timing jams.

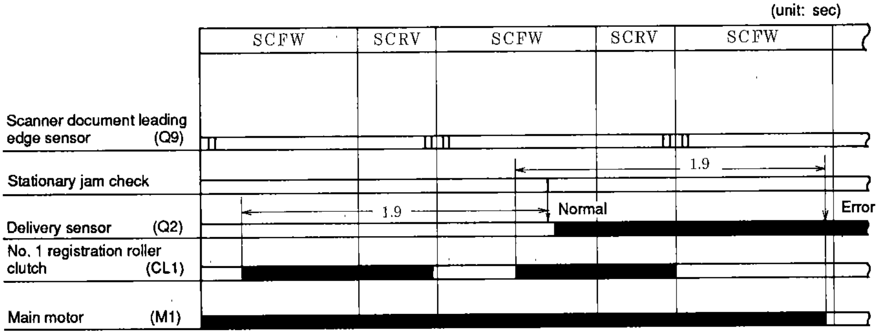

(unit: sec)
SCFW
SCRV
SCFW
SCRV
SCFW
Scanner document leading edge sensor (Q9)
Stationary jam check
1.9
Delivery sensor (Q2)
1.9
Normal
Error
No. 1 registration roller clutch (CL1)
Main motor (M1)

Figure 3-105

16. Lower Feeder Inlet Delay Jam

The copy paper does not reach the lower feeder inlet paper sensor (Q3) within a specific period of time after the delivery sensor (Q2) has detected the leading edge of the paper. In the overlay mode, checks for jams are executed differently depending on the size of the paper.

a. Overlay Copy

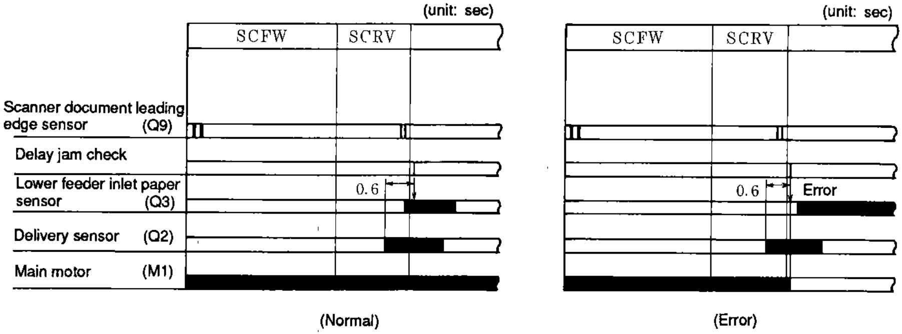
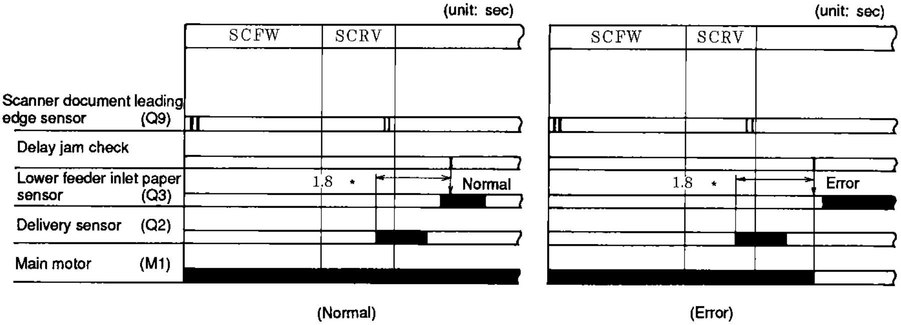

(unit: sec)
SCFW
SCRV
Scanner document leading edge sensor (Q9)
Delay jam check
Lower feeder inlet paper sensor (Q3)
Delivery sensor (Q2)
Main motor (M1)
0.6
(Normal)
(unit: sec)
SCFW
SCRV
0.6
Error
(Error)

Figure 3-106

b. Two-Sided Copy


(unit: sec)
SCFW
SCRV
Scanner document leading edge sensor (Q9)
Delay jam check
Lower feeder inlet paper sensor (Q3)
Delivery sensor (Q2)
Main motor (M1)
1.8 *
Normal
(Normal)
(unit: sec)
SCFW
SCRV
1.8 *
Error
(Error)

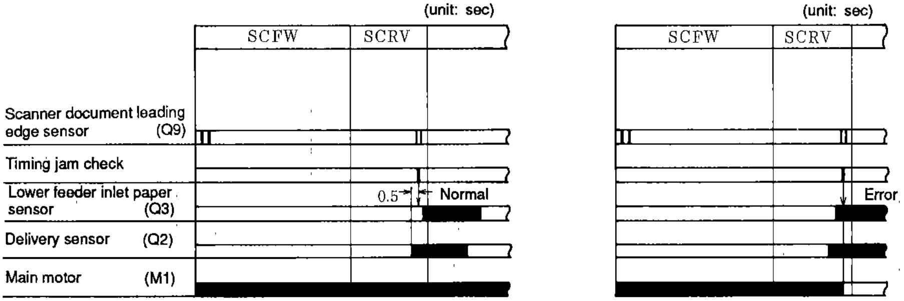
* Varies depending on the size of the copy paper used; the above represents A4 paper.

Figure 3-107

17. Lower Feeder Inlet Timing Jam

The copy paper reaches the lower feeder inlet paper sensor (Q3) before a specific period of time after the delivery sensor (Q2) has detected the leading edge of the paper. In the overlay mode, checks are made at specific times regardless of the size of paper; in the two-sided mode, however, they vary depending on the size of paper.

a. Overlay Copy

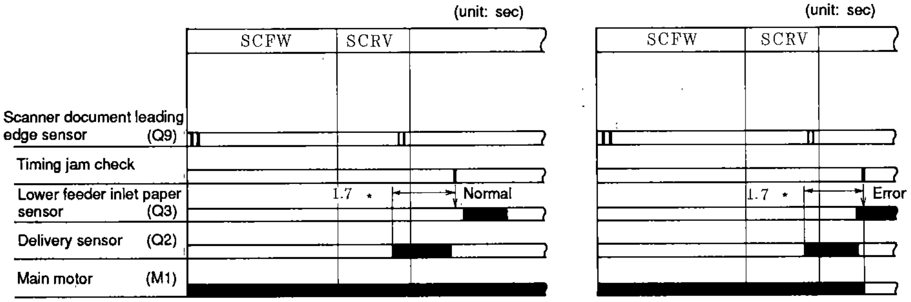

(unit: sec)
SCFW
SCRV
Scanner document leading edge sensor (Q9)
Timing jam check
Lower feeder inlet paper sensor (Q3)
Delivery sensor (Q2)
Main motor (M1)
0.5
Normal
(unit: sec)
SCFW
SCRV
Error

(Normal)

(Error)

Figure 3-108

b. Two-Sided Copy


(unit: sec)
SCFW
SCRV
Scanner document leading edge sensor (Q9)
Timing jam check
Lower feeder inlet paper sensor (Q3)
Delivery sensor (Q2)
Main motor (M1)
1.7 *
Normal
(unit: sec)
SCFW
SCRV
1.7 *
Error

(Normal)

(Error)

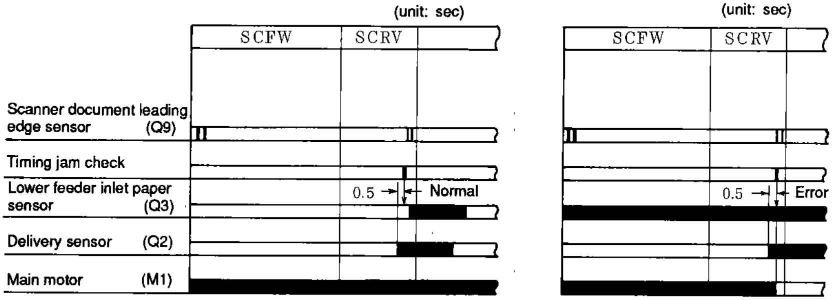
* Varies depending on the size of the copy paper used; the above represents A4 paper.

Figure 3-109

18. Lower Feeder Inlet Stationary Jam

The copy paper does not move past the lower feeder inlet paper sensor (Q3) within a specific period of time after the delivery sensor (Q2) has detected the leading edge of paper.
Checks on stationary jams are executed in the same way as timing jams.

a. Overlay Copy

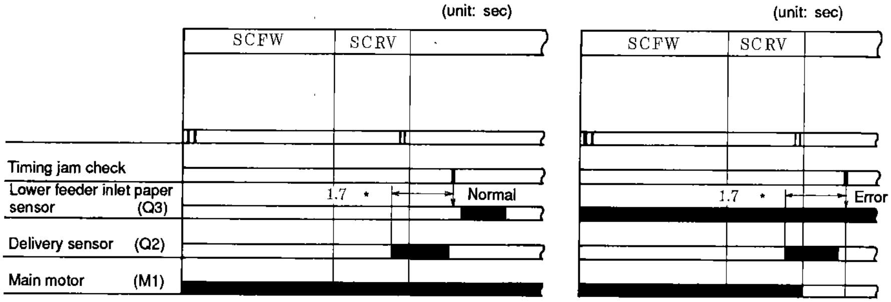

(unit: sec)
SCFW
SCRV
Scanner document leading edge sensor (Q9)
Timing jam check
Lower feeder inlet paper sensor (Q3)
0.5
Normal
Error
Delivery sensor (Q2)
Main motor (M1)

(Normal)

(Error)

Figure 3-110

b. Two-Sided Copy


(unit: sec)
SCFW
SCRV
Timing jam check
Lower feeder inlet paper sensor (Q3)
1.7 *
Normal
Error
Delivery sensor (Q2)
Main motor (M1)

(Normal)

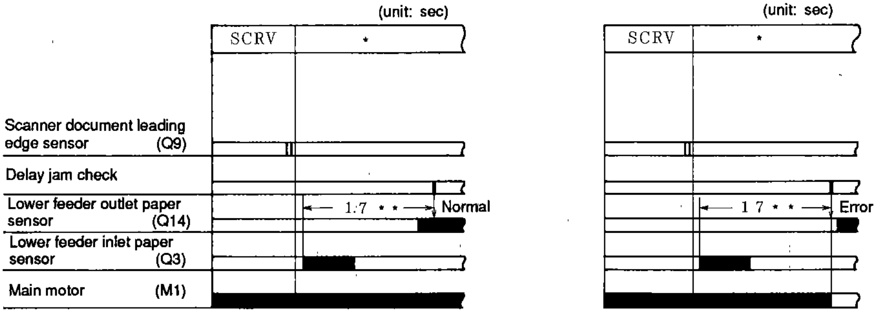
(Error)

* Varies depending on the size of the copy paper used; the above represents A4 paper.

Figure 3-111

19. Lower Feeder Outlet Delay Jam

The copy paper does not reach the lower feeder outlet paper sensor (Q14) within a specific period of time after the lower feeder inlet paper sensor (Q3) has detected the leading edge of the paper.


(unit: sec)
SCRV
*
Scanner document leading edge sensor (Q9)
Delay jam check
Lower feeder outlet paper sensor (Q14)
Lower feeder inlet paper sensor (Q3)
Main motor (M1)
1.7 **
Normal
(unit: sec)
SCRV
*
1.7 **
Error

(Normal)

(Error)

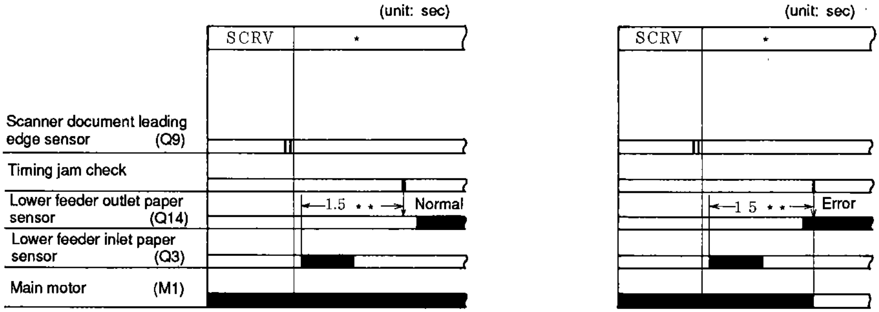
* While copy paper is being moved; i.e., scanner at standby.

** Varies depending on the size of the copy paper used; the above represents A4 paper (1 copy).

Figure 3-112

20. Lower Feeder Outlet Timing Jam

The copy paper reaches the lower feeder outlet paper sensor (Q14) before a specific period of time after the lower feeder inlet paper sensor (Q3) has detected the leading edge of the paper.


(unit: sec)
SCRV
*
Scanner document leading edge sensor (Q9)
Timing jam check
Lower feeder outlet paper sensor (Q14)
Lower feeder inlet paper sensor (Q3)
Main motor (M1)
1.5 **
Normal
(unit: sec)
SCRV
*
1.5 **
Error

(Normal)

(Error)

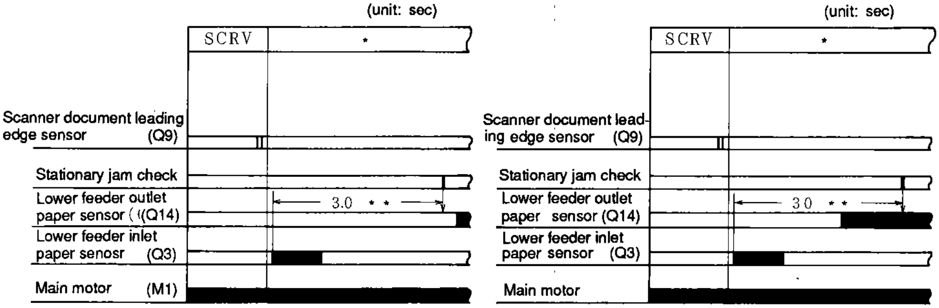
* While copy paper is being moved; i.e., scanner at standby.

** Varies depending on the size of the copy paper used; the above represents A4 paper (1 copy).

Figure 3-113

21. Lower Feeder Outlet Stationary Jam

The copy paper does not move past the lower feeder outlet paper sensor (Q14) within a specific period of time after the lower feeder inlet paper sensor (Q3) has detected the leading edge of the paper.



(Normal)

(Error)

* While copy paper is being moved; i.e., scanner at standby.

** Varies depending on the size of the copy paper used; the above represents A4 paper (1 copy).

Figure 3-114

22. Manual Feed Delay Jam

Same as No. 1 pre-registration delay jams; see Figure 3-91.

23. Manual Feed Timing Jam

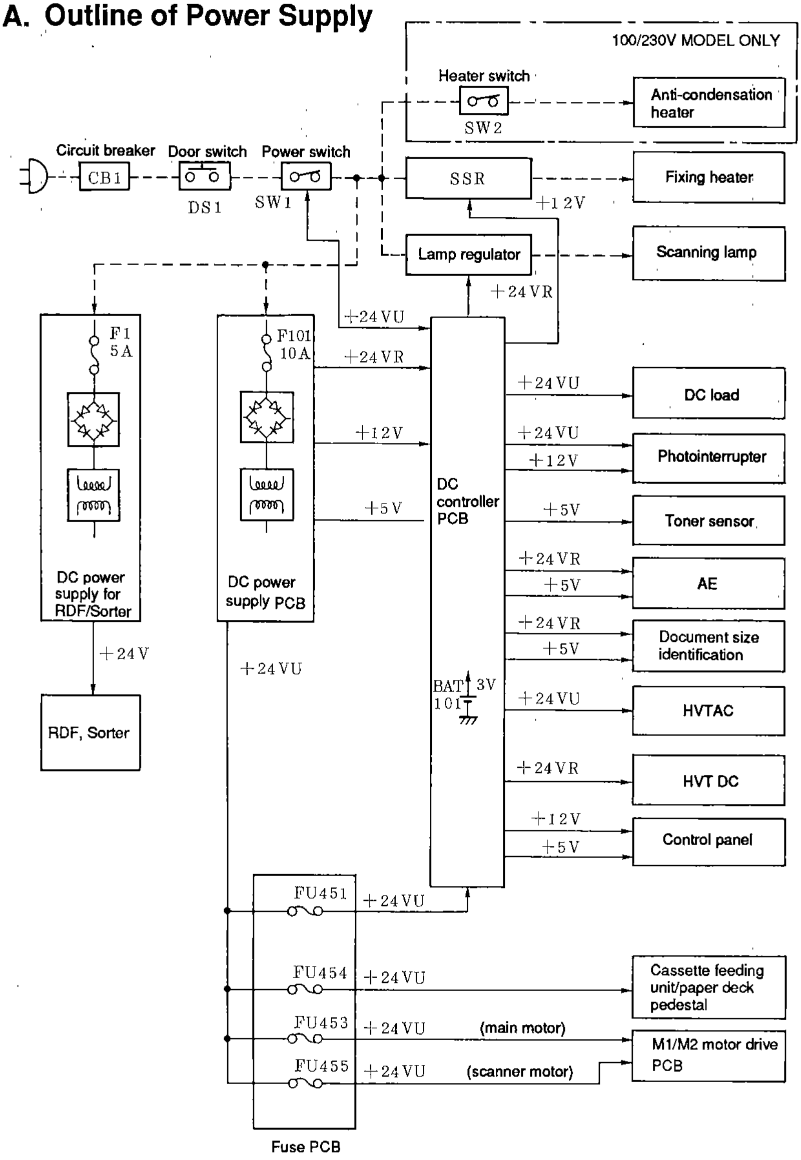
Same as No. 1 pre-registration timing jams; see Figure 3-92.

24. Manual Feed Stationary Jam

Same as No. 1 pre-registration stationary jams; see Figure 3-93.

V. POWER SUPPLY

A. Outline of Power Supply


100/230V MODEL ONLY
Heater switch
SW2
Anti-condensation heater
Circuit breaker
Door switch
Power switch
CB1
DS1
SW1
SSR
+12V
Fixing heater
Lamp regulator
Scanning lamp
+24VR
+24VU
F1
5A
F101
10A
+24VR
+12V
+5V
DC power supply for RDF/Sorter
DC power supply PCB
DC controller PCB
BAT101
3V
+24V
RDF, Sorter
+24VU
+24VU
DC load
+24VU
+12V
Photointerrupter
+5V
Toner sensor
+24VR
+5V
AE
+24VR
+5V
Document size identification
+24VU
HVTAC
+24VR
HVT DC
+12V
+5V
Control panel
FU451
+24VU
FU454
+24VU
Cassette feeding unit/paper deck pedestal
FU453
+24VU
(main motor)
FU455
+24VU
(scanner motor)
M1/M2 motor drive PCB
Fuse PCB

Dashed lines represent AC power lines.

Figure 3-115

When the door switch and the power switch are turned ON, the DC power supply PCB is supplied with AC power. The auto shut-off mechanism causes the DC controller PCB to turn the power switch OFF.

The DC power supply PCB generates +24 VR, +24 VU, +12 V, and +5 V; +24 VU is sent to the DC controller PCB and the motor driver PCB through the fuse on the fuse PCB.

The DC power supply PCB for the DF/sorter supplies the sorter with 24V power.

When the machine's door switch and the power switch are turned OFF, the DC power to the DC controller PCB will be cut OFF; for this reason, the RAM on the DC controller PCB and the date/time memory are backed up by a lithium battery (BAT101).

Note:
The tolerances for the DC power supply are as follows:

+24VR	±1%
+24VU	±7%
+12V	±5%
+ 5V	±4%

⚠ CAUTION:
Replace the lithium battery only with the one listed in the Parts Catalog.
Use of another battery may present a risk of fire or explosion. The battery may present a fire or chemical burn hazard if mistreated. Do not recharge, disassemble or dispose of in fire. Keep the battery out of reach of children and discard used battery promptly.

B. Protection Mechanism for the Power Circuit

The DC power supply PCB and the DC power supply PCB for the RDF/sorter are equipped with an overcurrent sensor circuit which, when any of the loads suffer a short circuit for some reason, are activated to shut off the output.

When the output is shut off, open the front door to turn the door switch OFF; then, correct the load, and turn the door switch ON once again. Repeated short-circuiting and resetting, however, can blow the built-in fuse.

VI. PAPER DECK PEDESTAL

A. Outline

The paper deck pedestal is equipped with two decks (left, right) and is used to feed paper from each deck to the copier in response to signals from the copier.

The deck motor drives the loads used to operate the paper pick-up/feed mechanism and the left and right lifters.

The left feeder assembly found between the left deck and the No. 3 registration roller picks up a single sheet of paper from the left deck and keeps the paper after copying operation; since paper picked up from the left deck has to move through a longer path, this arrangement serves to shorten the first copy time.

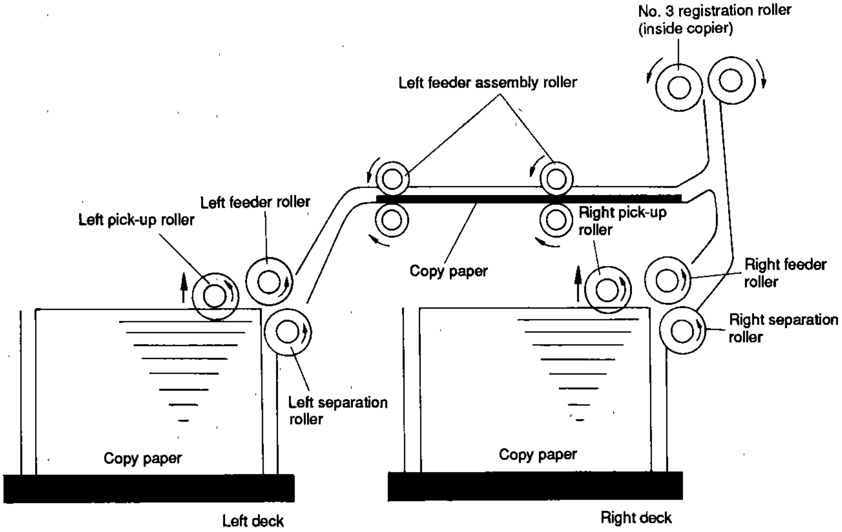

No. 3 registration roller (inside copier)
Left feeder assembly roller
Left feeder roller
Left pick-up roller
Right pick-up roller
Copy paper
Right feeder roller
Right separation roller
Left separation roller
Copy paper
Copy paper
Left deck
Right deck

Figure 3-200

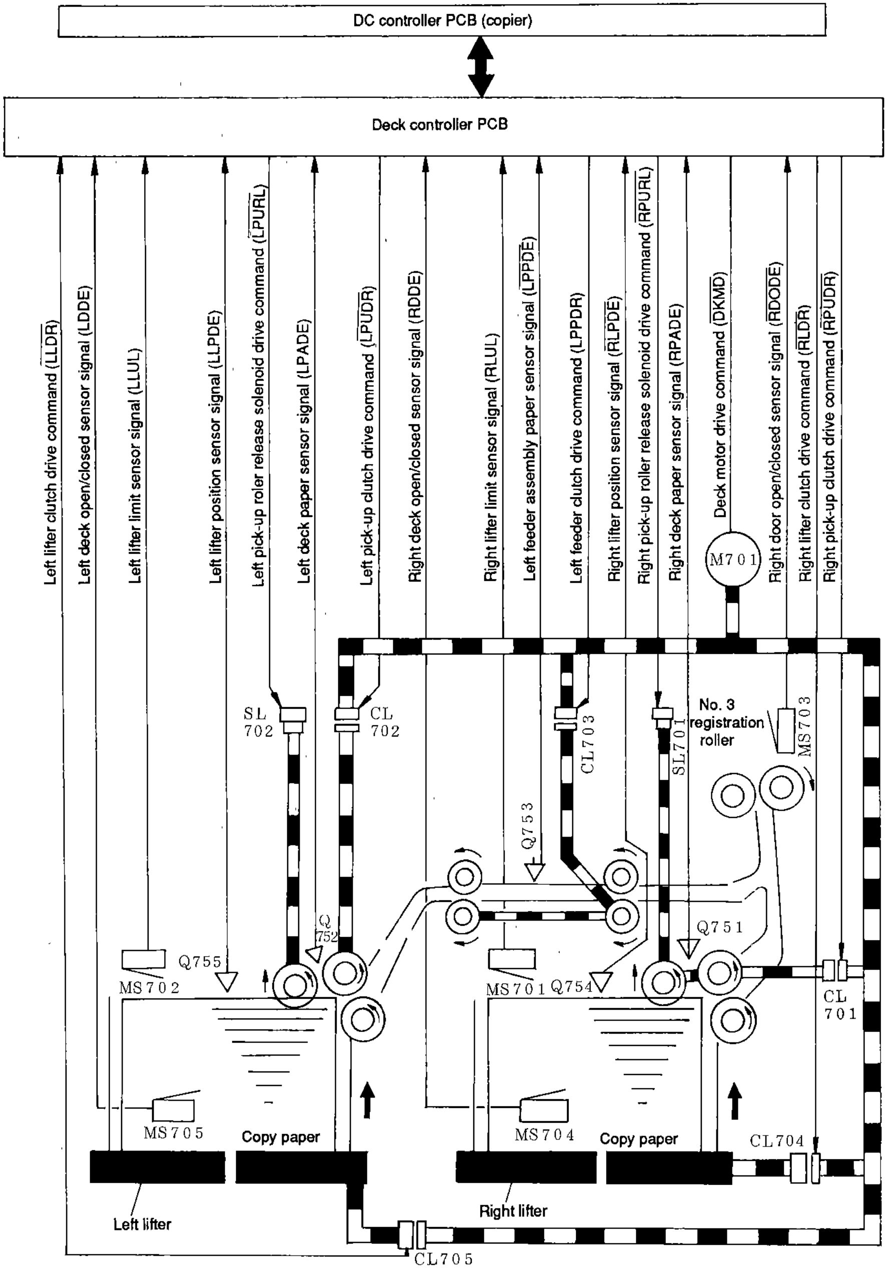

DC controller PCB (copier)
Deck controller PCB
Left lifter clutch drive command (LLDR)
Left deck open/closed sensor signal (LDDE)
Left lifter limit sensor signal (LLUL)
Left lifter position sensor signal (LLPDE)
Left pick-up roler release solenoid drive command (LPURL)
Left deck paper sensor signal (LPADE)
Left pick-up clutch drive command (LPUDR)
Right deck open/closed sensor signal (RDDE)
Right lifter limit sensor signal (RLUL)
Left feeder assembly paper sensor signal (LPPDE)
Left feeder clutch drive command (LPPDR)
Right lifter position sensor signal (RLPDE)
Right pick-up roller release solenoid drive command (RPURL)
Right deck paper sensor signal (RPADE)
Deck motor drive command (DKMD)
Right door open/closed sensor signal (RDODE)
Right lifter clutch drive command (RLDR)
Right pick-up clutch drive command (RPUDR)
M701
SL 702
CL 702
CL703
SL701
No. 3 registration roller
MS703
Q753
Q 752
Q755
MS702
MS701
Q754
Q751
CL 701
MS705
Copy paper
MS704
Copy paper
CL704
Left lifter
Right lifter
CL705

Figure 3-201

B. Electrical Circuitry

The paper deck pedestal is controlled by its deck controller PCB and signals coming from the copier.

The signals from the copier are sent according to the pre-programmed instructions stored in the copier's memory.

The controller PCB inside the deck controls the motors, clutches, and other loads based on the signals from the copier.

The deck controller PCB is supplied with 24 V power by the copier's DC power supply and, in turn, supplies each load with 24V or 12V power.

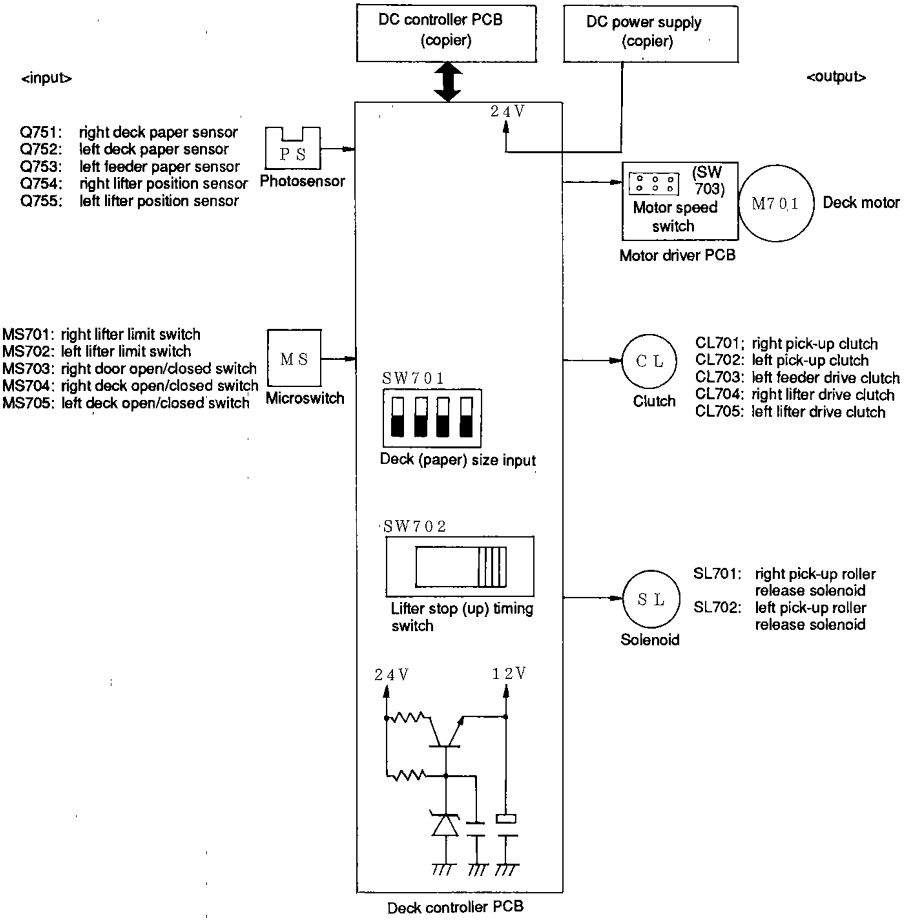

DC controller PCB (copier)
DC power supply (copier)
<input>
<output>
24V
Q751: right deck paper sensor
Q752: left deck paper sensor
Q753: left feeder paper sensor
Q754: right lifter position sensor
Q755: left lifter position sensor
PS
Photosensor
(SW 703)
Motor speed switch
Motor driver PCB
M701
Deck motor
MS701: right lifter limit switch
MS702: left lifter limit switch
MS703: right door open/closed switch
MS704: right deck open/closed switch
MS705: left deck open/closed switch
MS
Microswitch
SW701
Deck (paper) size input
CL
Clutch
CL701; right pick-up clutch
CL702: left pick-up clutch
CL703: left feeder drive clutch
CL704: right lifter drive clutch
CL705: left lifter drive clutch
SW702
Lifter stop (up) timing switch
SL
Solenoid
SL701: right pick-up roller release solenoid
SL702: left pick-up roller release solenoid
24V
12V
Deck controller PCB

Figure 3-202

C. Inputs to and Outputs from Deck Controller

1. Inputs to and Outputs from Deck Controller

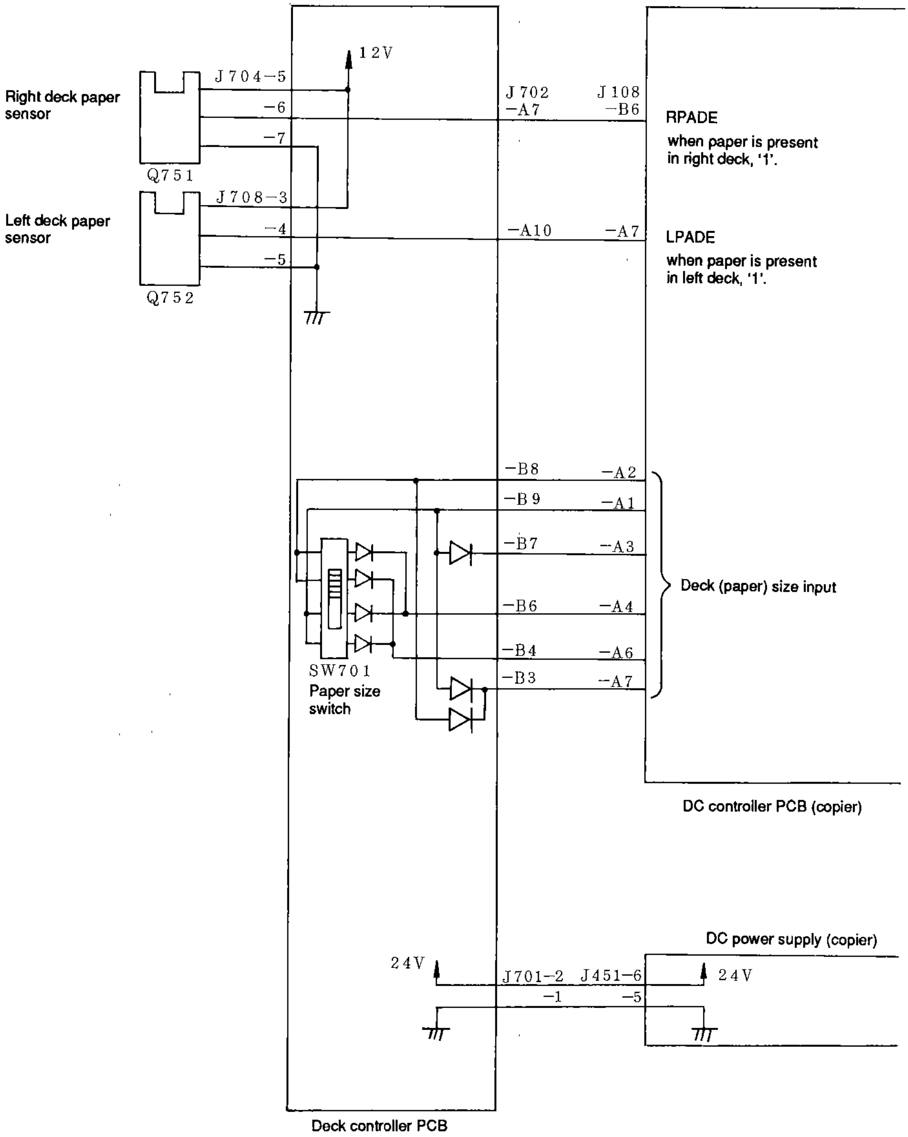

12V
Right deck paper sensor
J704-5
-6
-7
Q751
J702
-A7
J108
-B6
RPADE
when paper is present in right deck, '1'.
Left deck paper sensor
J708-3
-4
-5
Q752
-A10
-A7
LPADE
when paper is present in left deck, '1'.
-B8
-A2
-B9
-A1
-B7
-A3
-B6
-A4
-B4
-A6
-B3
-A7
Deck (paper) size input
SW701
Paper size switch
DC controller PCB (copier)
DC power supply (copier)
24V
J701-2
J451-6
-1
-5
24V
Deck controller PCB

Figure 3-203

2. Inputs to and Outputs from Deck Controller

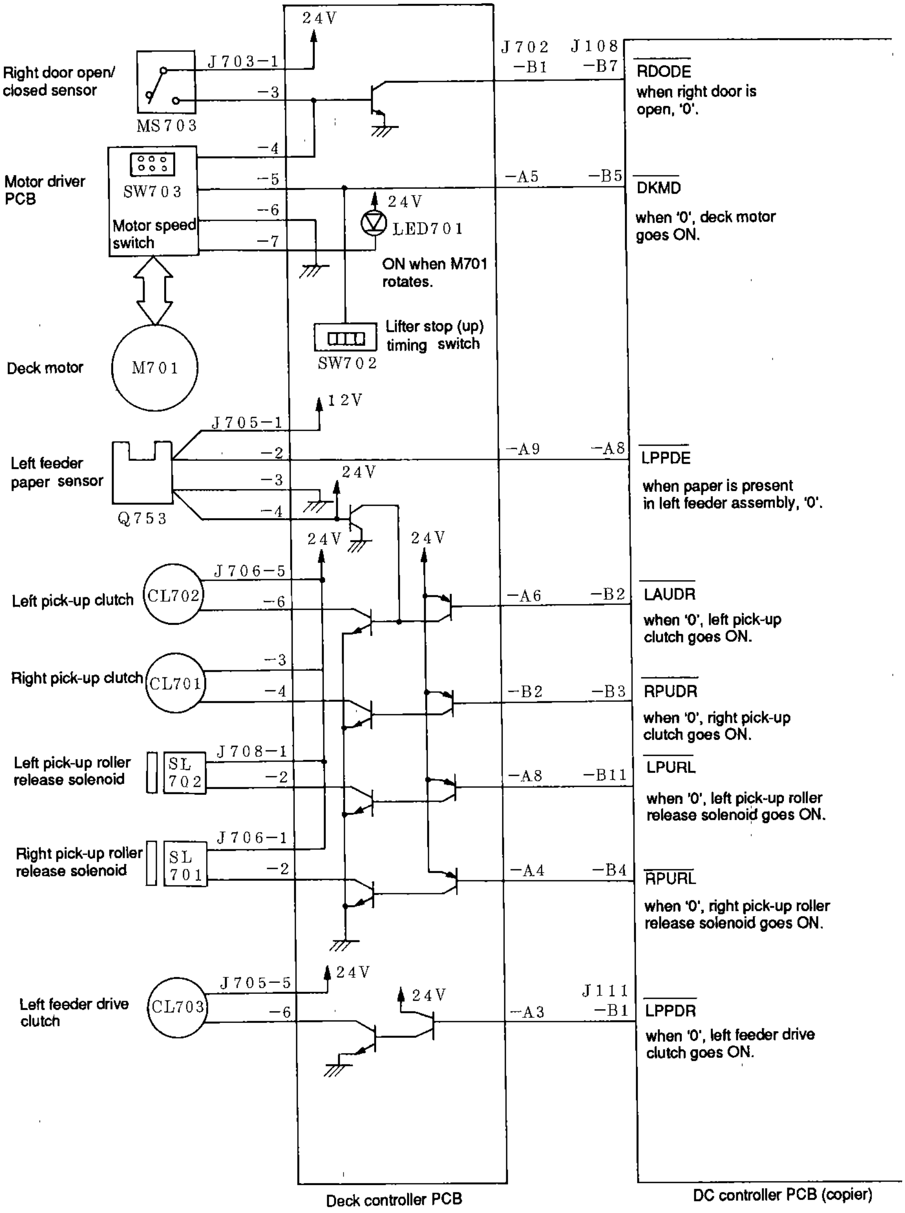

24V
Right door open/ closed sensor
J703-1
-3
MS703
J702 -B1
J108 -B7
RDODE
when right door is open, '0'.
Motor driver PCB
SW703
Motor speed switch
-4
-5
-6
-7
-A5
-B5
DKMD
when '0', deck motor goes ON.
24V
LED701
ON when M701 rotates.
Lifter stop (up) timing switch
SW702
Deck motor
M701
12V
J705-1
-2
-3
-4
Left feeder paper sensor
Q753
-A9
-A8
LPPDE
when paper is present in left feeder assembly, '0'.
24V
24V
24V
Left pick-up clutch
CL702
J706-5
-6
-A6
-B2
LAUDR
when '0', left pick-up clutch goes ON.
Right pick-up clutch
CL701
-3
-4
-B2
-B3
RPUDR
when '0', right pick-up clutch goes ON.
Left pick-up roller release solenoid
SL 702
J708-1
-2
-A8
-B11
LPURL
when '0', left pick-up roller release solenoid goes ON.
Right pick-up roller release solenoid
SL 701
J706-1
-2
-A4
-B4
RPURL
when '0', right pick-up roller release solenoid goes ON.
Left feeder drive clutch
CL703
J705-5
-6
24V
24V
-A3
J111 -B1
LPPDR
when '0', left feeder drive clutch goes ON.
Deck controller PCB
DC controller PCB (copier)

Figure 3-204

3. Inputs to and Outputs from Deck Controller

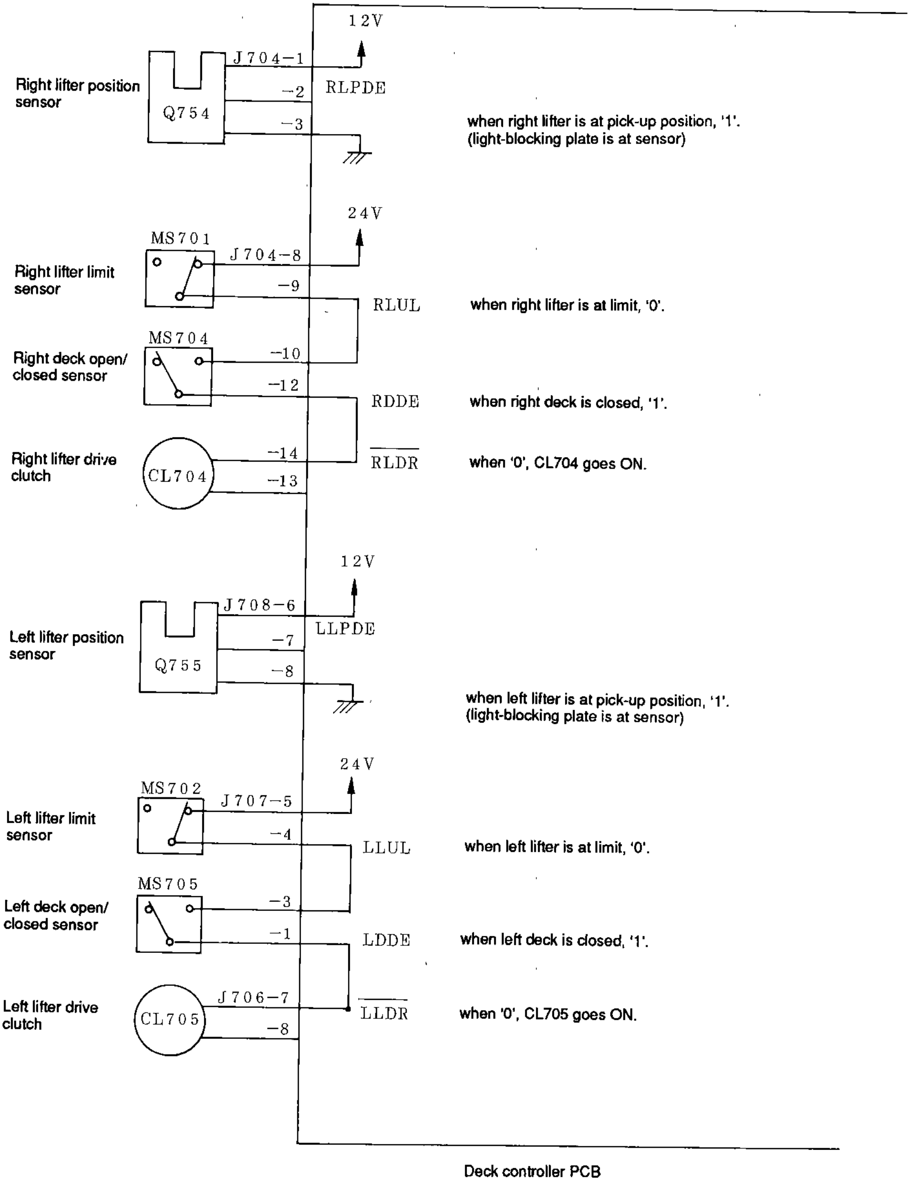

12V
J704–1
–2
–3
RLPDE
Right lifter position sensor
Q754
when right lifter is at pick-up position, '1'. (light-blocking plate is at sensor)
24V
MS701
J704–8
–9
Right lifter limit sensor
RLUL
when right lifter is at limit, '0'.
MS704
Right deck open/ closed sensor
–10
–12
RDDE
when right deck is closed, '1'.
Right lifter drive clutch
CL704
–14
–13
$\overline{\text{RLDR}}$
when '0', CL704 goes ON.
12V
J708–6
–7
–8
LLPDE
Left lifter position sensor
Q755
when left lifter is at pick-up position, '1'. (light-blocking plate is at sensor)
24V
MS702
J707–5
–4
Left lifter limit sensor
LLUL
when left lifter is at limit, '0'.
MS705
Left deck open/ closed sensor
–3
–1
LDDE
when left deck is closed, '1'.
Left lifter drive clutch
CL705
J706–7
–8
$\overline{\text{LLDR}}$
when '0', CL705 goes ON.
Deck controller PCB

Figure 3-205

D. Pick-Up/Feed Mechanism

1. Pick-Up from Right Deck

When the COPY START key is pressed on the copier, the copier's DC controller sends the deck motor drive command (DKMD) and, at the same time, the deck motor starts to rotate; the rotation of the motor causes the right pick-up roller to rotate, picking up paper from the right deck.

After pick-up, the paper is forwarded by the right feeder roller to the copier's No. 3 registration roller and made to butt against the No. 3 registration roller to form an arch; then, it is moved to the No. 2 registration roller.

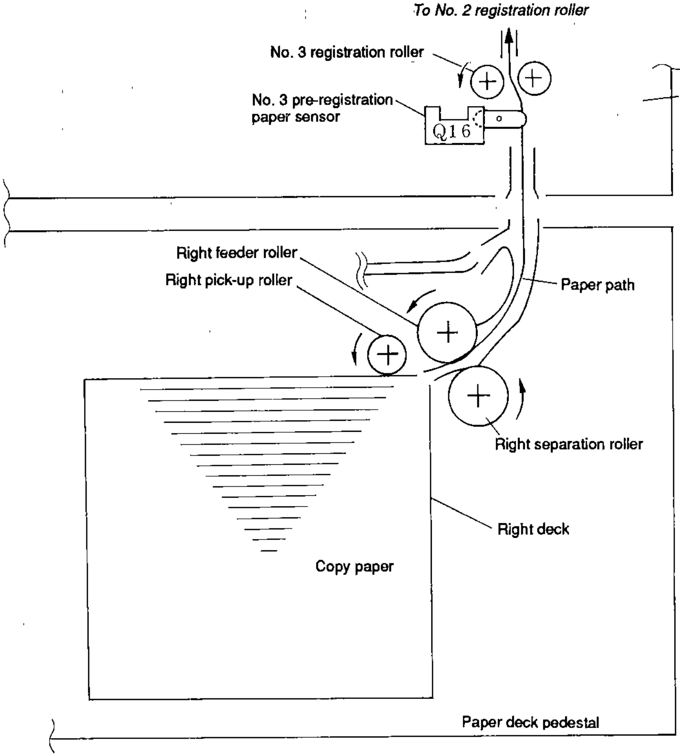

To No. 2 registration roller
No. 3 registration roller
No. 3 pre-registration paper sensor
Q16
Copier
Right feeder roller
Right pick-up roller
Paper path
Right separation roller
Right deck
Copy paper
Paper deck pedestal

Figure 3-206 Pick-Up from Right Deck

Sequence of Operations (pick-up from right deck)

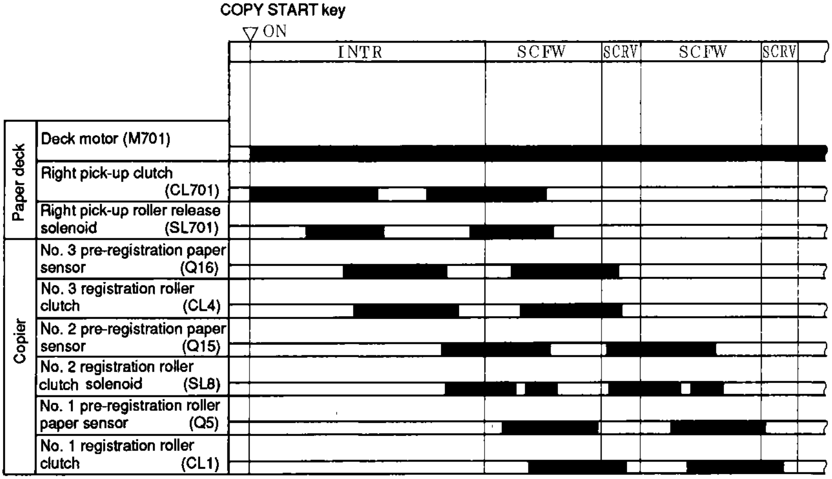


Figure 3-207 A4, 2 copies (pick-up from right deck)

2. Pick-Up from Left Deck

When the copier's COPY START key is pressed, the copier's DC controller PCB generates $\overline{\text{DKMD}}$; in response, the deck motor starts to rotate to rotate the left pick-up roller for pick-up from the left deck.

After the pick-up, the paper moves through the left feeder assembly and then to the copier's No. 3 registration roller assembly.

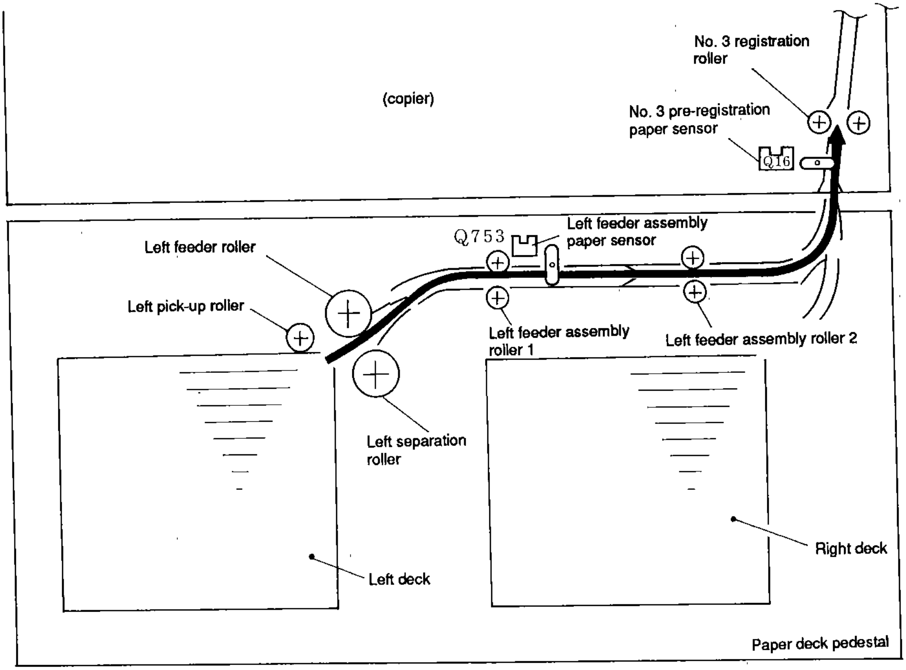

No. 3 registration roller
(copier)
No. 3 pre-registration paper sensor
Q16
Left feeder assembly paper sensor
Q753
Left feeder roller
Left pick-up roller
Left feeder assembly roller 1
Left feeder assembly roller 2
Left separation roller
Right deck
Left deck
Paper deck pedestal

Figure 3-208

3. Advance Pick-Up from Left Deck

If pick-up is from the left deck, a single sheet of copy paper is picked up after the last copy paper has been picked up from the left deck.

The paper is moved to the left feeder assembly and kept inside it in preparation for the next copying operation , i.e., it, will not be fed to the copier at the time. This mechanism is called *advance pick-up* and serves to shorten the first copy time when pick-up is made from the left feeder assembly, in which case the path will be somewhat longer.

The copier, even after power-on, remembers the copy paper kept in the left feeder assembly; for this reason, it will not indicate a jam (stationary) at time of power-on.

If the paper is removed for some reason from the left feeder assembly, another sheet of copy paper will be picked up newly next time the left deck is used as an advance pick-up.

Note:
The copier cannot recognized detachment of the left feeder assembly; as such, the deck controller circuit includes a mechanism that deactivates the left deck pick-up signal if the left feeder assembly has been detached.
A left feeder pick-up delay jam atill occurs, however, since copying operation will be started despite the deactivation of the signal.

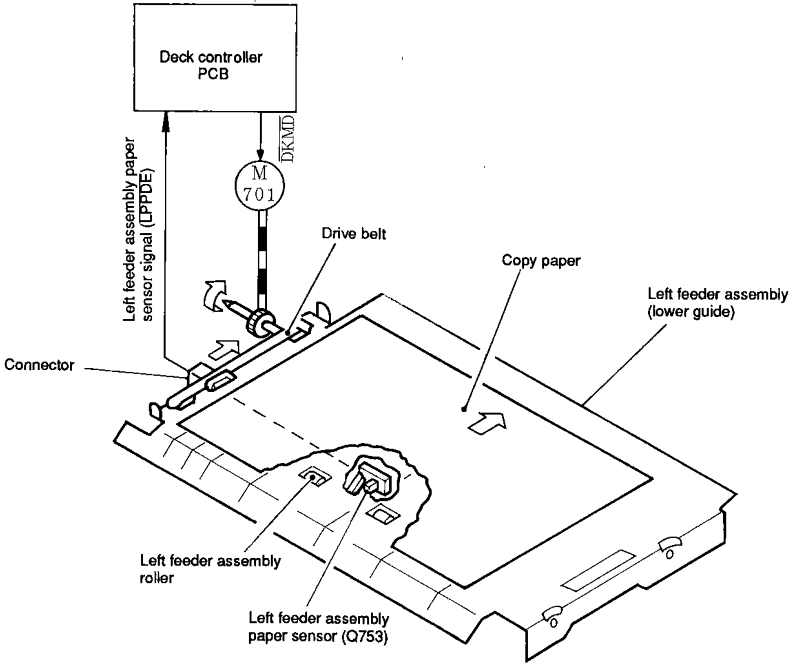
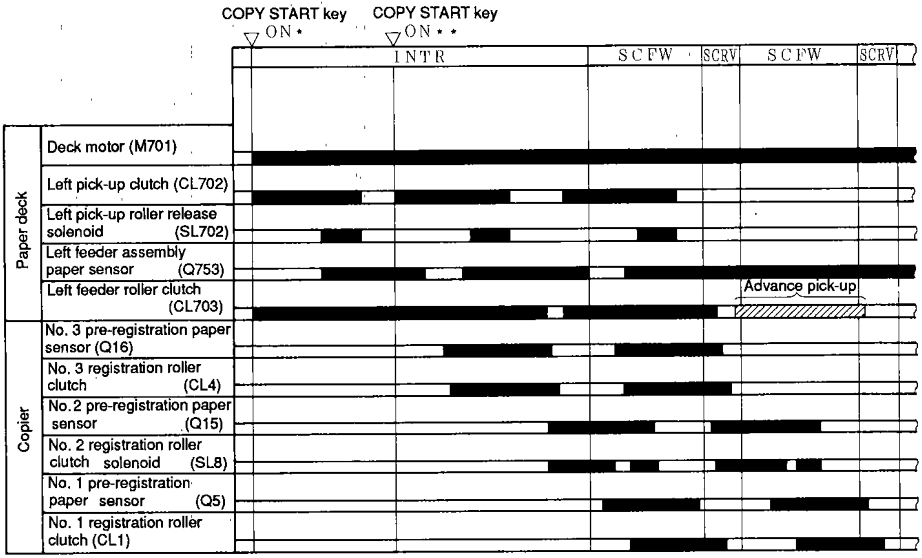

Deck controller PCB
DKMD
Left feeder assembly paper sensor signal (LPPDE)
M 701
Drive belt
Copy paper
Left feeder assembly (lower guide)
Connector
Left feeder assembly roller
Left feeder assembly paper sensor (Q753)

Figure 3-209

Sequence of Operations (pick-up from left deck)



* Paper is absent in the left feeder assembly when the COPY START key is pressed.

** Paper is present in the left feeder assembly when the COPY START key is pressed.

Figure 3-210 A4, 2 Copies (pick-up from left deck)

E. Releasing the Pick-Up Roller and the Separation Roller

The machine's paper deck pedestal is a front loading type; for this reason, the pick-up roller and the separation roller are released when the paper deck is slid out for supplying copy paper or removing jams.

1. Releasing the Pick-Up Roller

The pick-up roller is released when the grip on the deck is pulled.

When the cam attached to the end of the roller release shaft becomes disengaged from the latch on the grip, the arm on the roller release shaft moves up to lift the pick-up roller. When the deck is slid in, on the other hand, the cam rides over the latch on the grip, causing the arm and the pick-up roller to lower.

The arm is also used to release the pick-up roller at time pick-up operation.

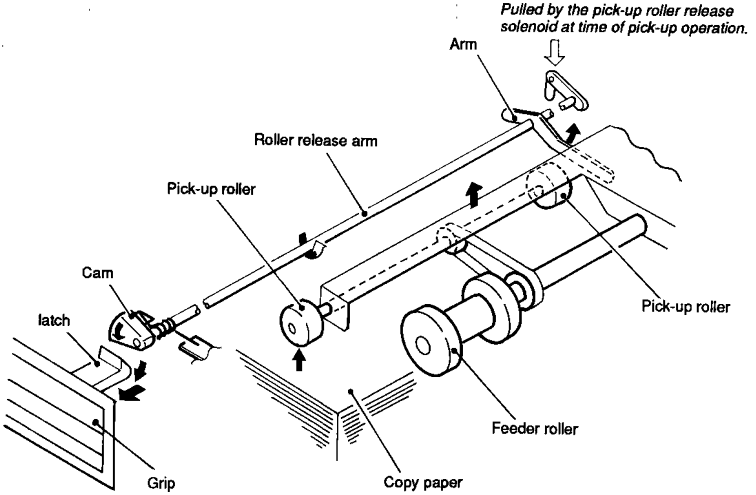

Pulled by the pick-up roller release solenoid at time of pick-up operation.
Arm
Roller release arm
Pick-up roller
Cam
latch
Pick-up roller
Feeder roller
Grip
Copy paper

Figure 3-211

2. Releasing the Separation Roller

When the deck is slid out of the machine, the release lever, which has been forced down by the deck right end plate cam, moves the separation roller to the direction of disengagement by the work of the release spring.

This design is to prevent contact between the separation roller and the deck rear end plate.

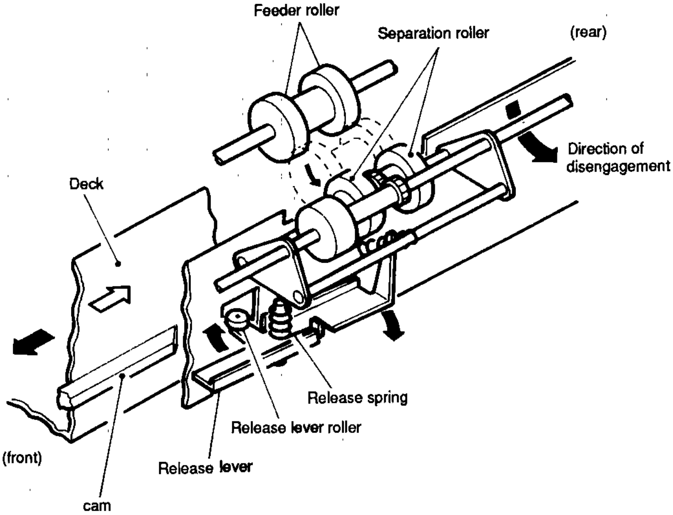

Feeder roller
Separation roller
(rear)
Direction of disengagement
Deck
Release spring
Release lever roller
(front)
Release lever
cam

Figure 3-212

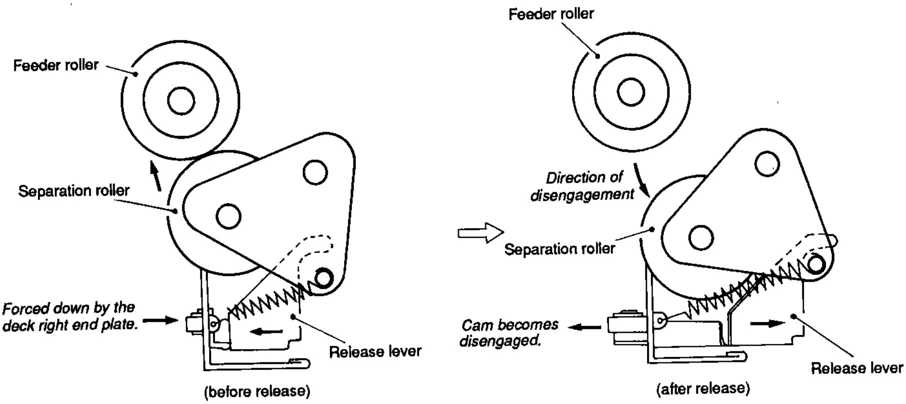

Feeder roller
Separation roller
Forced down by the deck right end plate.
Release lever
(before release)
Feeder roller
Direction of disengagement
Separation roller
Cam becomes disengaged.
Release lever
(after release)

Figure 3-213

F. Moving the Lifter Up and Down (left/right deck)

When paper is set in the deck and the deck is closed, the deck open/closed sensor (MS704, MS705) goes ON; this condition causes the deck motor to rotate and the lifter drive clutch (CL704, CL705) to go ON, moving the lifter up.

When the lifter has moved up and reached the lifter position sensor (Q751, Q752), the lifter drive clutch goes OFF; the lifter is then kept up by a one-way gear.

The lifter is moved up regardless of the state of the machine as long as the copier is powered.

When the deck is detached from the machine, the wire cable take-up gear becomes disengaged from the one-way gear, allowing the lifter to lower on its own weight.

Note:

If the lifter does not stop moving up after it has reached the lifter position sensor, the lifter limit microswitch (MS701, MS702) cuts off the power to the lifter drive clutch (CL704, CL705).

The lifter will not be moved up if the left feeder assembly is not set correctly to the paper deck pedestal.

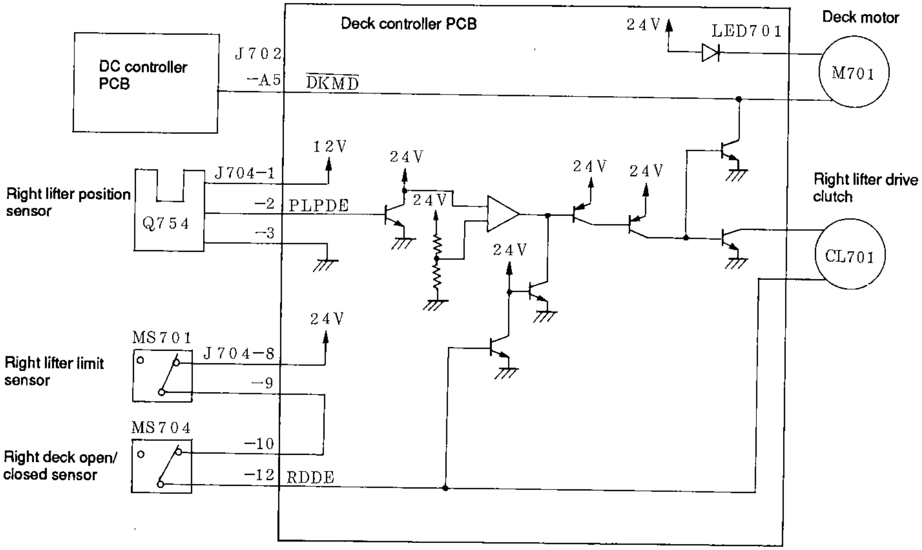

Deck controller PCB
24V
LED701
Deck motor
M701
DC controller PCB
J702
-A5
$\overline{\text{DKMD}}$
12V
24V
24V
24V
24V
J704-1
-2
-3
PLPDE
Right lifter position sensor
Q754
24V
Right lifter drive clutch
CL701
24V
MS701
J704-8
-9
Right lifter limit sensor
MS704
-10
-12
RDDE
Right deck open/closed sensor

Figure 3-214 Right Lifter Drive Circuit

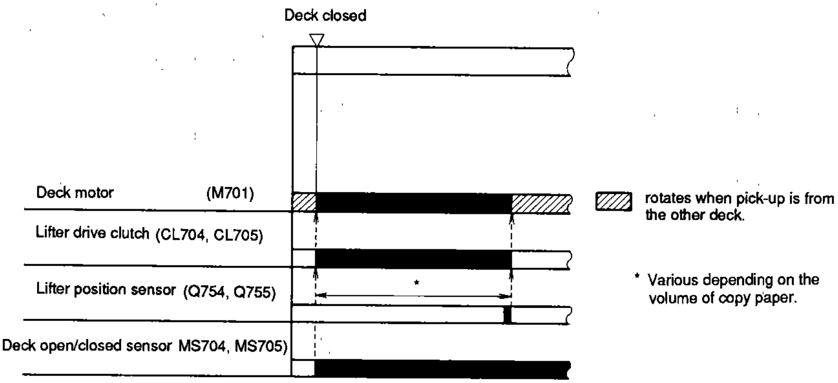


Figure 3-215 Lifter Up Movement

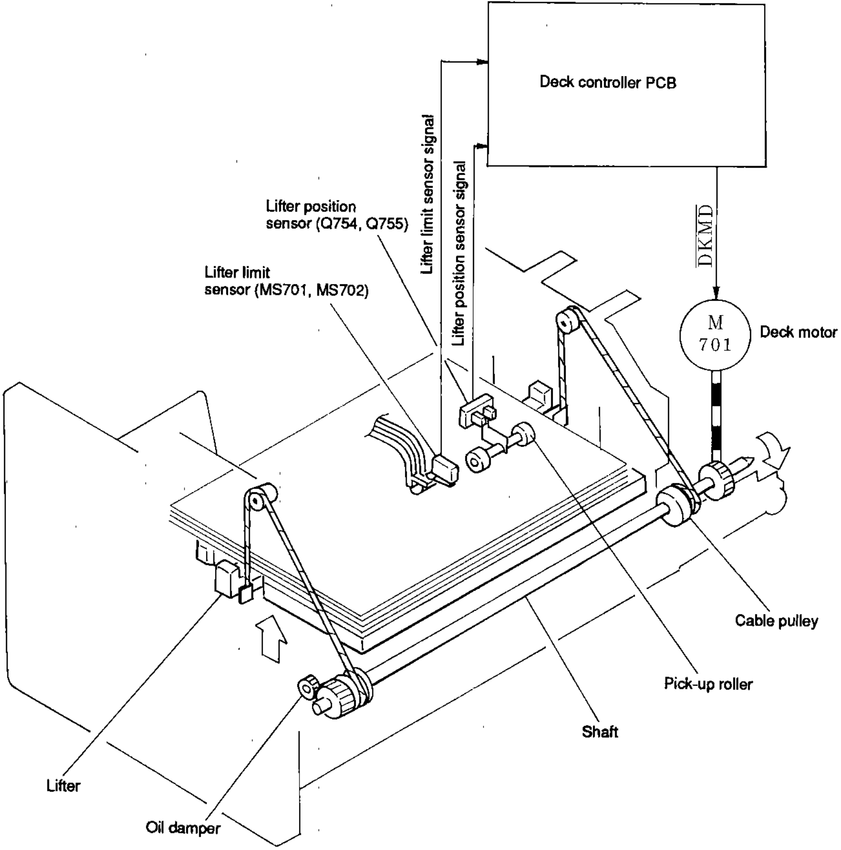

Deck controller PCB
Lifter limit sensor signal
Lifter position sensor signal
DKMD
M 701
Deck motor
Lifter position sensor (Q754, Q755)
Lifter limit sensor (MS701, MS702)
Cable pulley
Pick-up roller
Shaft
Lifter
Oil damper

Figure 3-216 Lifter Up Mechanism

G. Checking the Paper in the Deck (left/right deck)

The mechanism to check the paper in the deck is attached on the same plate as the lifter position sensor.

When copy paper is present on the lifter, the sensor arm moves over the left/right deck paper sensor as the lifter moves up.

If paper is absent, the sensor arm moves into the lifter hole and remains still as the lifter moves up; this condition is identified as the absence of paper.

The condition in which the lifter does not move to a specific position in the presence of paper for some reason will also be identified as the absence of paper.

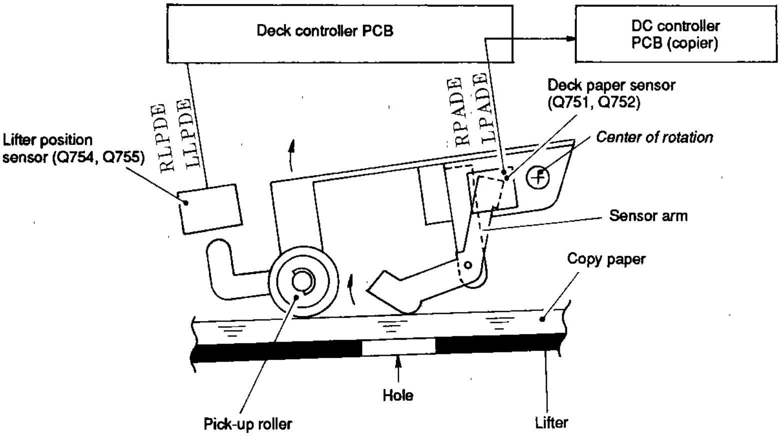

Deck controller PCB
DC controller PCB (copier)
Deck paper sensor (Q751, Q752)
Center of rotation
Lifter position sensor (Q754, Q755)
RLPDE
LLPDE
RPADE
LPADE
Sensor arm
Copy paper
Hole
Pick-up roller
Lifter

Figure 3-217 Paper on Lifter

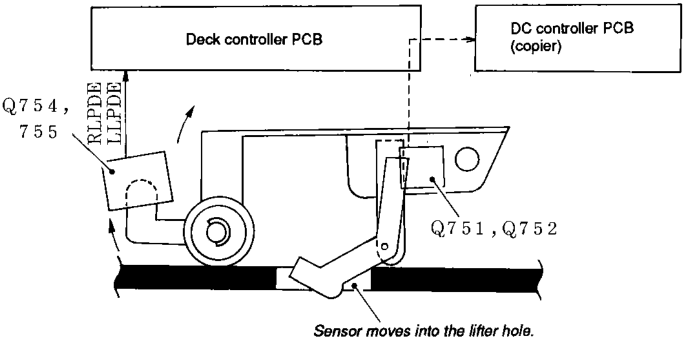

Deck controller PCB
DC controller PCB (copier)
Q754, 755
RLPDE
LLPDE
Q751, Q752
Sensor moves into the lifter hole.

Figure 3-218 No Paper on Lifter

H. Checking for Jams

1. Right Deck

a. No. 3 Pre-Registration Jam

The copy paper does not reach the No. 3 pre-registration sensor within about 1.0 sec after the right pick-up clutch has gone ON; the condition is identified as a delay jam.

If the No. 3 pre-registration remains ON about 0.5 sec after the right pick-up clutch has gone ON, a stationary jam (previous paper) will be identified.

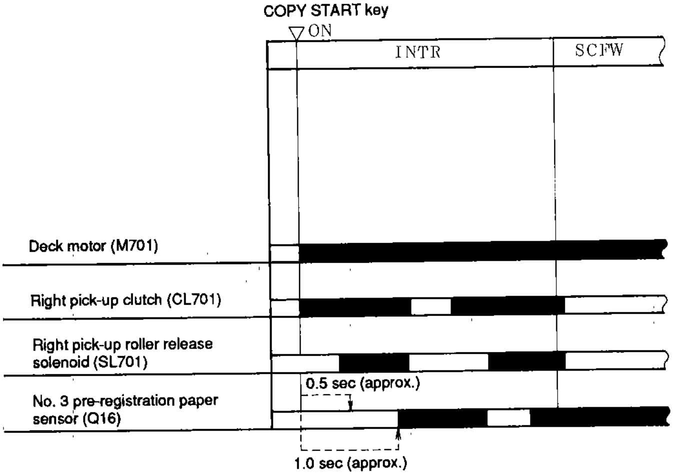


Figure 3-219

b. No. 2 Pre-Registration Jam

The copy paper does not reach the No. 2 pre-registration sensor with about 1.0 sec after the No. 3 registration roller clutch has gone ON; the condition is identified as a delay jam.

If the No. 2 pre-registration paper sensor remains ON about 0.6 sec after the No. 3 registration clutch has gone ON, a stationary jam (previous paper) will be identified.

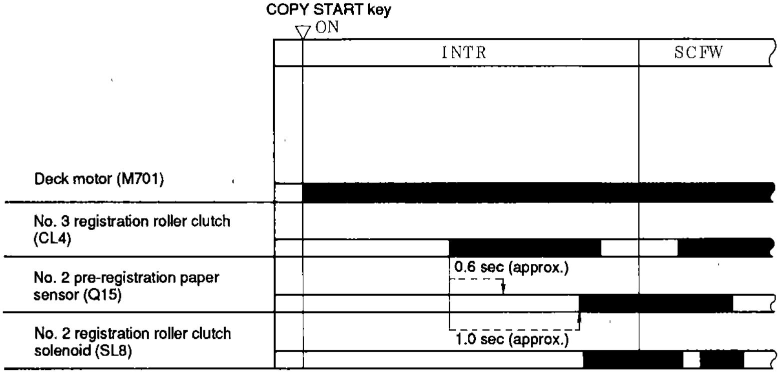


Figure 3-220

c. No. 1 Pre-Registration Jam

The copy paper does not reach the No. 1 pre-registration paper sensor within about 0.7 sec after the No. 2 registration roller clutch solenoid has gone ON; the condition will be identified as a delay jam.

If the No. 1 pre-registration paper sensor remains ON about 0.5 sec after the No. 2 registration roller clutch solenoid has gone ON, a stationary jam (previous paper) will be identified.

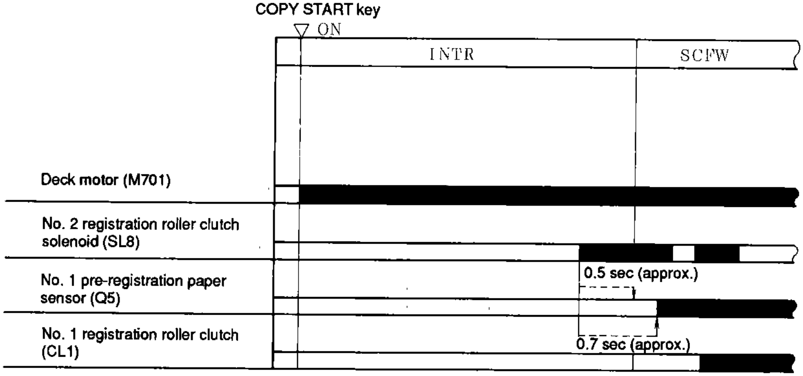

COPY START key
ON
INTR
SCFW
Deck motor (M701)
No. 2 registration roller clutch solenoid (SL8)
No. 1 pre-registration paper sensor (Q5)
No. 1 registration roller clutch (CL1)
0.5 sec (approx.)
0.7 sec (approx.)

Figure 3-221

2. Left Deck

a. Left Feeder Assembly Jam

The copy paper does not reach the left feeder assembly paper sensor within about 1.0 sec after the left pick-up clutch has gone ON; the condition will be identified as a delay jam.

If the left feeder assembly sensor remains ON about 0.4 sec after the left pick-up clutch has gone ON, a stationary jam (previous paper) will be identified.

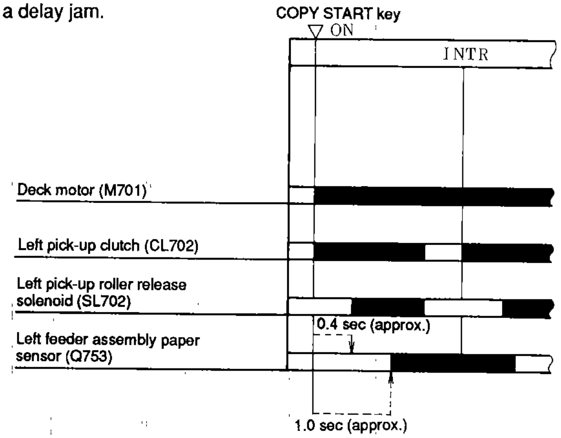


Figure 3-222

b. No. 3 Pre-Registration Jam

The preceding copy paper does not reach the No. 3 pre-registration paper sensor within about 0.9 sec after the left pick-up clutch has gone ON; the condition will be identified as a stationary jam.

If the No. 3 pre-registration paper sensor remains ON about 0.4 sec after the left pick-up clutch has gone ON, a stationary jam (previous paper) will be identified.

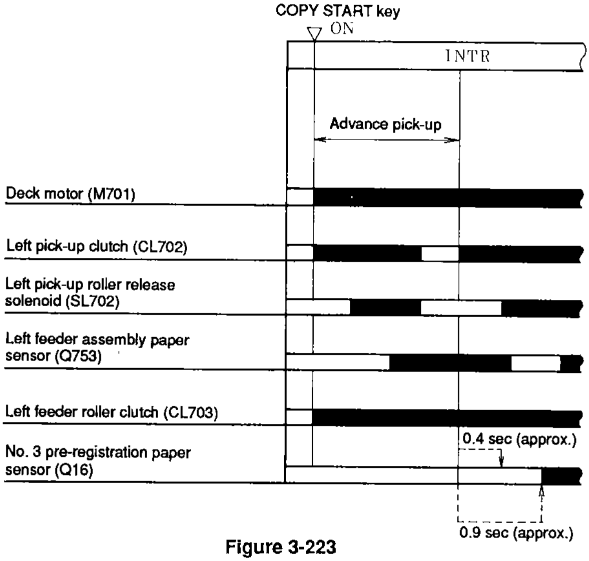


Figure 3-223

c. No. 2 Pre-Registration Jam

The copy paper does not reach the No. 2 pre-registration paper sensor within about 1.1 sec after the No. 3 registration roller clutch has gone ON; the condition will be identified as a delay jam.

If the No. 2 pre-registration paper sensor remains ON about 0.6 sec after the No. 3 registration roller clutch has gone ON, a stationary jam (previous paper) will be identified.

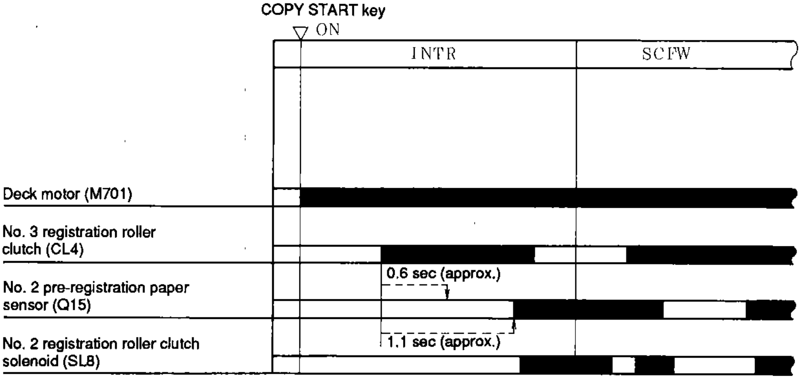


Figure 3-224

d. No. 1 Pre-Registration Jam

The conditions are the same as those of No. 1 pre-registration jams; see Figure 3-221.

VII. SERVICE MODE

A. Outline

The machine's service mode is divided into the following six modes:

Item	Display	Description
✳1✳	DISPLAY	control display mode
✳2✳	I/O DISPLAY	I/O display mode
✳3✳	ADJUST	adjustment mode
✳4✳	FUNCTION	function/inspection mode
✳5✳	USER OPTION	machine settings mode
✳6✳	COUNTER	counter mode

Table 3-300

B. Using the Service Mode

1) Open the front door, and insert the door switch actuator. To check items under 'I/O display mode' while making copies, set the copy mode.
2) Press the service mode switch (SW501) using a hex key.
   - The machine enters the service mode and indicates '$' on its display.

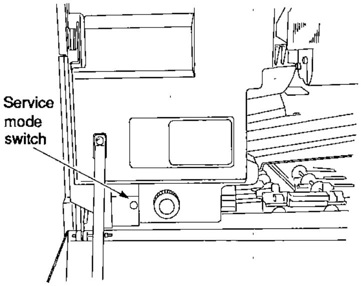
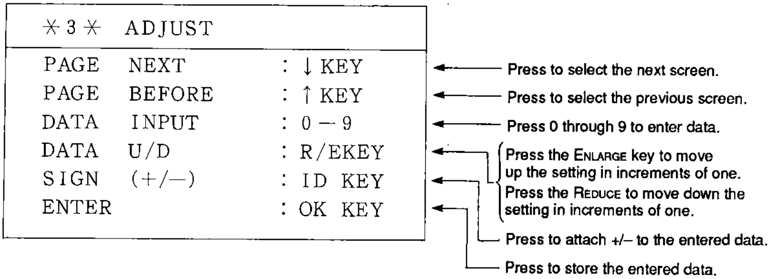


Figure 3-300

3) Enter the No. of the mode (Table 3-300) using the ✳ key and the numeric keypad; e.g., press ✳, 3, and then ✳.
   - The display shows the service mode screen.
4) Press the △ key or ▽ key to select the desired screen.
5) Make checks or adjustments.
6) Press the RESET key to clear the service mode screen.
7) Press the RESET key once again to leave the service mode.

Note:
Making copies while the service mode screen is displayed slows down the machine.

- To ensure that the service modes will be used correctly, the first screen of each mode indicates explanations of the mode together with available keys.
  See Figure 3-301 for an sample screen(✱3✱).



```
＊3＊  ADJUST
PAGE   NEXT          : ↓ KEY
PAGE   BEFORE        : ↑ KEY
DATA   INPUT         : 0 − 9
DATA   U/D           : R/EKEY
SIGN   (+/−)         : ID KEY
ENTER                : OK KEY
```

Press to select the next screen.

Press to select the previous screen.

Press 0 through 9 to enter data.

Press the ENLARGE key to move up the setting in increments of one. Press the REDUCE to move down the setting in increments of one.

Press to attach +/− to the entered data.

Press to store the entered data.

Figure 3-301

C. Using the Adjustment Mode and the Settings Mode

In the adjustment mode and the settings mode, the settings entered from the control panel will be stored in the RAM on the DC controller PCB; they will be available for later use to serve the functions of VRs and switches.

Figure 3-301 shows the label attached behind the machine's front door.

Each machine is individually adjusted at the factory, and the settings are recorded on the label.

If the DC controller PCB has been replaced or the RAM has bee cleared, it is important that the settings recorded on the label be entered; the DC controller available as a service part holds standard settings. Record all new settings made in the field.

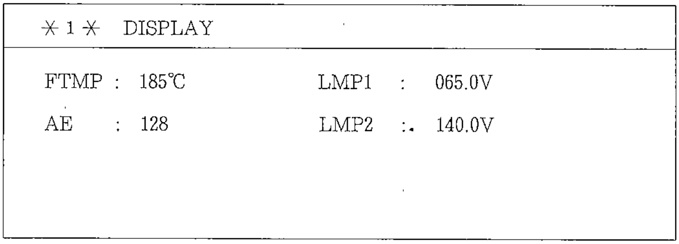
	TYP		
LIGHT_BK			
AE_SLOP			
REGIST			
LE_BLANK			
BRAKE_SC			
GRID_N			
GRID_P			
BIAS_N			

	TYP		
TRN_1			
TRN_2			
SEP_1			
SEP_2			
SZ1_ADJ			
SZ2_ADJ			
SZ3_ADJ			
BK_BELT			
DOC_STOP			

Figure 3-302

D. Control Display Mode (✱ 1 ✱)

Select the desired screen using the △ and ▽ keys.



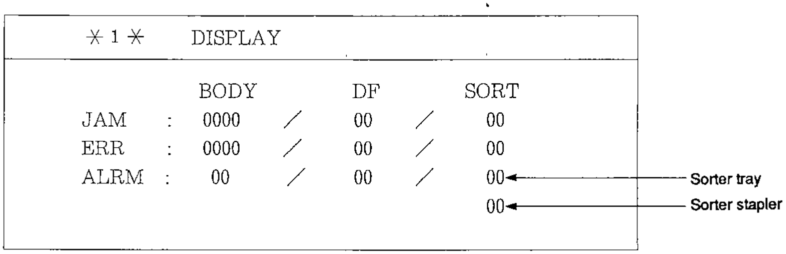
```
＊1＊  DISPLAY

FTMP :  185℃              LMP1   :   065.0V
AE   :  128               LMP2   :   140.0V
```

Figure 3-303 DISPLAY1

Item	Description	Remarks
FTMP	surface temperature of the upper fixing roller (output of thermistor)	unit: °C
AE	density of the document (output of AE sensor)	0 to 255
LMP1 LMP2	ON voltage of the scanning lamp LMP1: 100/115V models LMP2: 230V models	unit: V

Table 3-301



```
  ✳1✳    DISPLAY

          BODY        DF        SORT
JAM   :   0000   /    00   /    00
ERR   :   0000   /    00   /    00
ALRM  :    00    /    00   /    00
                                00
```

Figure 3-304 DISPLAY2

Item	Description	Remarks
JAM	location of jam BODY: copier (Table 3-303) DF: RDF-B1 (Table 3-304) SORT: Sorter, Stapler Sorter, Stapler Folder (Table 3-305)	flashes*
ERR	Results of self diagnosis (Tables 3-306, -307; for copier, P.O).	flashes*
ALRM	warning (Tables 3-308, -309, -310, -311) EX 'SET DOCUMENT AGAIN'	flashes*

* Indicates the previous condition if the machine is reset by switching it OFF and then ON.

Table 3-302

Code	Type of jam	Code	Type of jam
0000	door open during copying*	0100	delay jam at lower feeder inlet (Q3)
0001	delay jam at No. 3 pre-registration (Q16)	0200	timing/stationary jam at lower feeder inlet (Q3)
0002	timing/stationary jam at No. 3 pre-registration (Q16)	0400	delay jam at lower feeder outlet (Q14)
0004	delay jam at No. 2 pre-registration (Q15)	0800	timing/stationary jam at lower feeder outlet (Q14)
0008	timing/stationary jam at No. 2 pre-registration (Q15)	1000	delay jam at No. 4 pre-registration (Q854)/left feeder assembly (Q753)
0010	delay jam at No. 1 pre-registration (Q5)	2000	timing/stationary jam at No. 4 pre-registration (Q854)/left feeder assembly (Q753)
0020	timing/stationary jam at No. 1 pre-registration (Q5)	4000	delay jam at manual feed (Q4)
0040	delay jam at delivery (Q2)	8000	timing/stationary jam at manual feed (Q4)
0080	timing/stationary jam at delivery (Q2)	FFFF	paper at sensor at power-on

* For details, see '02' and '03' of Table 3-308.

Table 3-303 BODY (copier)

Code	Description
01	document is pulled out at time of pick-up
02	delay jam identified by pick-up sensor
03	delay jam identified by registration/skew sensor
04	leading edge skew jam identified by registration/skew sensor
05	stationary jam identified by registration/skew sensor
06	double feeding identified by registration/skew sensor
07	trailing edge skew jam identified by registration/skew sensor
09	leading edge bend identified by registration/skew sensor
11	delay jam 1 identified by reversal sensor
12	stationary jam identified by reversal sensor
13	delay jam 2 identified by reversal sensor
20	initial stationary jam identified by reversal sensor
21	reversal pick-up delay jam identified by registration/skew sensor
22	reversal leading edge skew jam identified by registration/skew sensor
23	reversal pick-up stationary jam identified by registration/skew sensor
24	reversal trailing edge skew jam identified by registration/skew sensor
26	leading edge bend at time of reversal/pick-up identified by registration/skew sensor
41	delay jam identified by delivery sensor
42	stationary jam identified by delivery sensor
81	open
82	pick-up tray or upper cover open
83	delivery document not detected by document sensor
84	document detected by sensor at pick-up
85	jam unique to test mode
86	tray guide narrower than delivery document width at delivery
87	double feeding of document (double feeding detection ON)
88	document detected at pick-up of 1st document
89	recycle lever malfunction during document circulation (2nd or later)

Table 3-304 RDF

Code	Description
01	delay jam identified by folded paper sensor
02	stationary jam identified by folded paper sensor
03	delay jam identified by paper sensor
04	stationary jam identified by paper sensor
05	timing jam identified by paper sensor
06	staple jam
07	paper detected by sensor at power-on
08	joint switch or cover switch OFF during copying operation
0A	stationary jam on stapler tray
0B	stapler safety mechanism ON

Table 3-305 Sorter

Code	Description
01	E401 ON signal
02	E402 ON signal
03	E403 ON signal
04	E404 ON signal
11	E411 ON signal

Table 3-306 RDF Error

Code	Description
10	E510 ON signal
11	E511 ON signal
12	E512 ON signal
14	E514 ON signal
20	E520 ON signal
30	E530 ON signal
31	E531 ON signal
35	E535 ON signal
40	E540 ON signal
41	E541 ON signal

Table 3-307 Sorter Error/Code

Code	Description
02	right door open
03	lower right door open
10	horizontal registration error
30	cleaning belt out
40	waste toner full
61	primary corona wire cleaning error*
62	transfer/separation corona wire cleaning error*
63	primary, transfer/separation corona wires (both) cleaning error*

*The alarm data will be retained in memory until cleared in the user mode ($\boxed{*}$ $\boxed{6}$ $\boxed{OK}$); during the period, the corona wire cleaning mechanism will be prohibited

Table 3-308 Alarm (copy)

Code	Description
01	recycle lever idle swing
02	document edge sensor does not detect document
03	separation fails at document pick-up
04	skew at document pick-up
05	document overrides stop plate at document pick-up
11	document count different after jam removal
12	document count excess
13	document pulled out during operation

The above data will be sent to the copier when the RDF detects misplacement of the document.

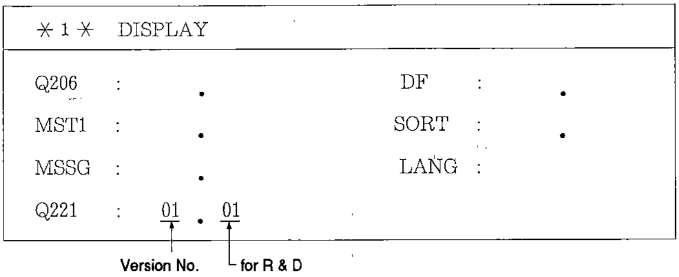
Table 3-309 Alarm (RDF)

Code	Description
01	paper fold unit power OFF
02	overstacking

Table 3-310 Alarm (sorter tray)

Code	Description
01	stapler down
02	staple jam
05	stapler overstacking
06	stapler full stacking
07	mixed paper size (horizontal)
08	stapler unit absent
09	stapled paper in bin
0A	staple out

Table 3-311 Alarm (sorter stapler)



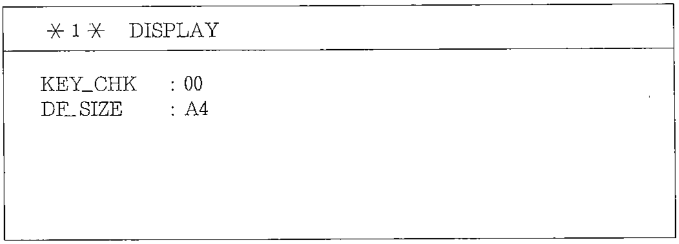
```
＊1＊  DISPLAY

Q206   :   .            DF    :   .
MST1   :   .            SORT  :   .
MSSG   :   .            LANG  :
Q221   : 01 . 01
```

Figure 3-305 DISPLAY3

Item	Description	Remarks
	indicates the version and the language of each ROM	
Q206	version of ROM (sequence and message)	main CPU
MST1	software version of sequence	
MSSG	software version of message	
Q221	version of ROM	sub CPU
DF	version of ROM (RDF)	
SORT	version of ROM (sorter)	
LANG	language	

Table 3-312



```
＊1＊   DISPLAY

KEY_CHK    : 00
DF_SIZE    : A4
```

Figure 3-306 DISPLAY4

Item	Description	Remarks
KEY _ CHK	indicates the key code in response to the respective key (except RESET, up/down key); for the key codes, see Table 3-314.	
DF_SIZE	indicates the size of the last document identified by the RDF; for document sizes, see Table 3-315.	

Table 3-313

Code	Name	Code	Name
00H	numeric keypad 0	20H	M1 key (copy mode memory)
01H	numeric keypad 1	21H	M2 key (copy mode memory)
02H	numeric keypad 2	22H	M3 key (copy mode memory)
03H	numeric keypad 3	23H	STANDBY key
04H	numeric keypad 4	24H	ID key
05H	numeric keypad 5	25H	
06H	numeric keypad 6	26H	FOLD key
07H	numeric keypad 7	27H	SORT/STAPLE/GROUP key
08H	numeric keypad 8	28H	
09H	numeric keypad 9	29H	
0AH	AE key	2AH	
0BH	* key	2BH	
0CH	OK key	2CH	PHOTO key
0DH	CLEAR/STOP key	2DH	
0EH	RESET key*	2EH	
0FH	COPY START key	2FH	MARGIN key
10H	DIRECT key	30H	
11H	OVERLAY MODE key	31H	ERASE key
12H	TWO-SIDED MODE key	32H	INTERRUPT key
13H	TWO-PAGE SEPARATION MODE key	33H	
14H			
15H	ENLARGE key		
16H	REDUCE key		
17H	PAPER SELECT key		
18H	GUIDE key		
19H	AUTO ZOOM key		
1AH	UP SHIFT key**		
1BH	DOWN SHIFT key**		
1CH	DARKER key		
1DH	LIGHTER key		
1EH	ZOOM (+) key		
1FH	ZOOM (–) key		

* Returns to the standard screen when the RESET key is pressed.

** Returns to the previous/next screen when up/down key is pressed.

Table 3-314 Key Codes

Code	Document size	(unit: mm)
B5	B5	182 × 257
FOOLSCAP	FOOLSCAP	330 × 216
A4	A4	210 × 297
B5R	B5R	257 × 182
B4	B4	364 × 257
A4R	A4R	297 × 210
A3	A3	420 × 297
STMT	STATEMENT	140 × 216
LTR	LETTER	216 × 279
LGL	LEGAL	356 × 216
LTRR	LETTER-R	279 × 216
11 × 17	11 × 17	432 × 279
A5	A5	148 × 210
COMPUTER	Computer form	381 × 279

Table 3-315 Document Sizes

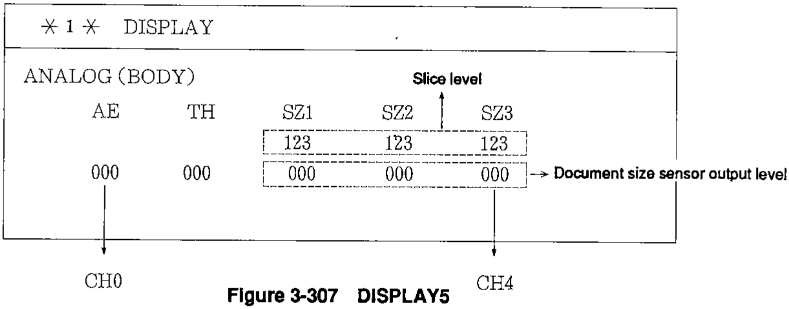

1 DISPLAY
ANALOG (BODY)
Slice level
AE
TH
SZ1
SZ2
SZ3
123
123
123
000
000
000
000
000
Document size sensor output level
CH0
CH4

Figure 3-307 DISPLAY5

Microprocessor Input Level (analog signals)

Item		CH	Display	Remarks
ANALOG (BODY; copier)	AE	0	AE sensor output level	000: 0V 255: 5V
	TH	1	thermistor output level	
	SZ1	2	document size sensor output level	
	SZ2	3	document size sensor output level	
	SZ3	4	document size sensor output level	

Table 3-316

```
＊1＊  DISPLAY

ANALOG (DF)
              - - -    R G S    P R G    O R G
              0 0 0    0 0 0    0 0 0    0 0 0
              S T P    O P N    C V R    - - -
              0 0 0    0 0 0    0 0 0    0 0 0
```

Figure 3-308 DISPLAY6

Microprocessor Input Level (analog signals)

Item		CH	Display	Remarks
ANALOG (DF; RDF-B1 in use)		0	reserved	000: 0V 255: 5V
	RGS	1	registration sensor output level	
	PRG	2	pre-registration sensor output level	
	ORG	3	document sensor output level	
	STP	4	document stop position volume	
	OPN	5	RDF switch output	
	CVR	6	upper cover switch output	
		7	reserved	

Table 3-317

```
*1*  DISPLAY

ANALOG(SORT)
            AD0     AD1     AD2     AD3
            000     000     000     000
            AD4     AD5     AD6     AD7
            000     000     000     000
```

Figure 3-309 DISPLAY7

Microprocessor Input Levels (analog) <Stapler Sorter-A1/Sorter-B1>

<table>
<tr><th>Item</th><th>Description</th><th>Remarks</th></tr>
<tr><td>AD0</td><td>Output of bits 3 and 4 (DIP switch; SW1)</td><td><table><tr><th>Display</th><th>Bit 3</th><th>Bit 4</th></tr><tr><td>000 — 115</td><td>ON</td><td>ON</td></tr><tr><td>116 — 151</td><td>OFF</td><td>ON</td></tr><tr><td>152 — 215</td><td>ON</td><td>OFF</td></tr><tr><td>216 — 255</td><td>OFF</td><td>OFF</td></tr></table></td></tr>
<tr><td>AD1</td><td>Output of bit 1 and 2 (DIP siwtch; SW1)</td><td><table><tr><th>Display</th><th>Bit 1</th><th>Bit 2</th></tr><tr><td>000 — 115</td><td>ON</td><td>ON</td></tr><tr><td>116 — 151</td><td>OFF</td><td>ON</td></tr><tr><td>152 — 215</td><td>ON</td><td>OFF</td></tr><tr><td>216 — 255</td><td>OFF</td><td>OFF</td></tr></table></td></tr>
<tr><td>AD2</td><td>Output of bin unit UP/DOWN switch (SW2/SW3)</td><td><table><tr><th>Display</th><th>SW2 (UP)</th><th>SW3(DOWN)</th></tr><tr><td>000 — 115</td><td>ON</td><td>ON</td></tr><tr><td>116 — 151</td><td>OFF</td><td>ON</td></tr><tr><td>152 — 215</td><td>ON</td><td>OFF</td></tr><tr><td>216 — 255</td><td>OFF</td><td>OFF</td></tr></table></td></tr>
<tr><td>AD3</td><td>For factory</td><td></td></tr>
<tr><td>AD4</td><td>Output of Staple sensor (PI 13)</td><td>000 — 092: staple present
093 — 255: staple absent</td></tr>
<tr><td>AD5</td><td>Reserved</td><td></td></tr>
<tr><td>AD6</td><td>Output of bin inside paper sensor (PT1)</td><td>000 — 103: paper present
104 — 255: paper absent</td></tr>
<tr><td>AD7</td><td>Level of 24V power</td><td>000 — 191: power out
192 — 255: returns to normal</td></tr>
</table>

Table 3-318A

Microprocessor Input Levels (analog) <AUTO Stapler Folder-A1>

<table>
<tr><th>Item</th><th>Description</th><th>Remarks</th></tr>
<tr><td>AD0</td><td>Level of 24V power</td><td>000 — 127: 24V not detected
128 — 255: 24V detected</td></tr>
<tr><td>AD1</td><td>Joint sensor (MS2) and stapler cover open/closed sensor (MS5).</td><td><table>
<tr><th>Display</th><th>MS2</th><th>MS5</th></tr>
<tr><td>000 — 063</td><td>CLOSE</td><td>CLOSE</td></tr>
<tr><td>064 — 190</td><td>CLOSE</td><td>OPEN</td></tr>
<tr><td>191 — 255</td><td>OPEN</td><td>OPEN</td></tr>
</table></td></tr>
<tr><td>AD2</td><td>Output of lower left door open/closed sensor (MS2) and AC power supply.</td><td><table>
<tr><th>Display</th><th>MS2</th><th>AC power supply</th></tr>
<tr><td>000 — 063</td><td>OPEN</td><td>OFF</td></tr>
<tr><td>064 — 190</td><td>CLOSE</td><td>ON</td></tr>
<tr><td>191 — 255</td><td>CLOSE</td><td>OFF</td></tr>
</table></td></tr>
<tr><td>AD3</td><td>Output of swing unit open/closed sensor (MS3).</td><td>000 — 127: closed
128 — 255: open</td></tr>
<tr><td>AD4</td><td>Output of staple tray paper sensor (PI 3).</td><td>000 — 127: paper present
128 — 255: paper absent</td></tr>
<tr><td>AD5</td><td>Reserved</td><td></td></tr>
<tr><td>AD6</td><td>Output of stack tray paper sensor (PI 12).</td><td>000 — 127: paper present
128 — 255: paper absent</td></tr>
<tr><td>AD7</td><td>Output of staple sensor (PT1).</td><td>000 — 090: staple present
091 — 255: staple absent</td></tr>
</table>

Table 3-318B

Microprosessor Input Levels (analog) <Sorter-A1>

Item	Description	Remarks
AD0	Level of 24V power	000 — 197: 24V not detected 198 — 242: 24V detected
AD1	For factory	
AD2	For factory	
AD3	Reserved	
AD4	Reserved	
AD5	Reserved	
AD6	Reserved	
AD7	Reserved	

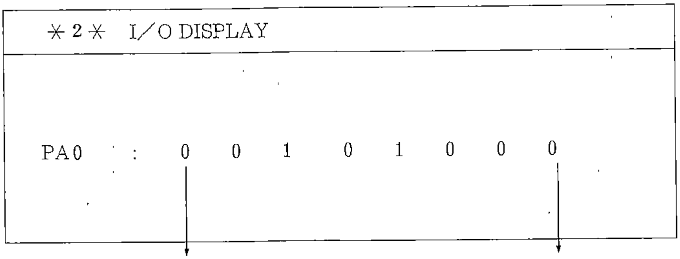
Table 3-318C

E. I/O Display Mode (*2*)

Select the desired screen using the △ and ▽ keys.

The input/output (8 bits) of each port may be checked; each address represents the following:

PA0 to PC5: main CPU port
SPA to SPF: sub CPU port
MT6 to MTB: indicates the condition of the switches wired in a matrix (static).
DF0 to DF4: CPU port on RDF controller PCB
ST0 to ST7 CPU port on sorter controller PCB



```
*2*  I/O DISPLAY

PA0  :  0  0  1  0  1  0  0  0
```

Figure 3-310 I/O DISPLAY

Address	bit	Signal	Notation	Jack No.	Remarks
PA0	0	manual feed paper sensor (Q4) signal	MFPD	J109-A7	0: paper present
	1	No. 3 pre-registration paper sensor (Q16) signal	PDP7	J109-A9	1: paper present
	2	No. 4 pre-registration paper sensor (Q854) signal Left feeder assembly paper sensor (Q753) signal	PDP8 LPPDE	J108-A8 J702-A9	0: paper present
	3	No. 2 pre-registration paper sensor (Q15) signal	PDP6	J109-A6	0: paper present
	4	No. 1 pre-registration paper sensor (Q5) signal	PDP1	J104-B5	1: paper present
	5	delivery paper sensor (Q2) signal	PDP3	J110-A4	0: paper present
	6	lower feeder inlet paper sensor (Q3) signal	PDP4	J111-B2	0: paper present
	7	lower feeder outlet paper sensor (Q14) signal	PDP5	J109-A5	0: paper present
PB0	0	manual feed shutter solenoid (SL) drive command	MFSSD	J109-B5	1: SL9 ON
	1	No. 1 registration roller clutch (CL1) drive command	RGCD1	J104-B7	1: CL1 ON
	2	No. 2 registration roller clutch solenoid (SL8) drive command	RGSD2	J109-B4	1: SL8 ON
	3	No. 3 registration roller clutch (CL4) drive command	RGCD3	J109-B12	1: CL4 ON
	4	pick-up motor (M803) drive command Deck motor (M701) drive command	PUMD DKMD	J108-B5	1: M803/M701 ON
	5	pick-up roller release solenoid 1 (SL7) drive command	PRSD1	J109-B3	1: SL7 ON
	6	pick-up drive switch solenoid 1 (SL6) drive command	PSSD1	J109-B2	1: SL6 ON
	7	pick-up clutch 1 (CL2) drive command	PUCD1	J109-B1	1: CL2 ON
PC0	0	pick-up clutch 2 (CL801) drive command right pick-up clutch (CL701) drive command	PUCD2 PRUDR	J108-B3	1: CL701/CL801 ON
	1	pick-up drive switch solenoid 2 (SL805) drive command	PSSD2	J108-B2	1: SL805 ON
	2	left pick-up roller release solenoid (SL702) drive signal	LPURL	J108-B11	1: SL702 ON
	3	reserved.			
	4	pick-up roller release solenoid 2 (SL804) drive command right pick-up roller release solenoid (SL701) drive command	PRSD2 PRURL	J104-B1	1: SL701/SL804 ON

Table 3-319A

Address	bit	Signal	Notation	Jack No.	Remarks
PC0	5	No. 4 registration roller clutch solenoid (SL802) drive command left feeder drive clutch (CL703) drive command	$\overline{\text{RGSD4}}$ $\overline{\text{LPPDR}}$	J108-B1	1: CL703/802 ON
	6	power switch (SW1) OFF command	$\overline{\text{PWOFF}}$	—	1: SW1 OFF; if error in lamp/heater, $\overline{\text{PWOFF}}$=0 regardless of the state.
	7	reserved.			
PA1	0	cassette 1 lifter position sensor (Q12) signal	C1LTP	J103-A3	1: lifter UP
	1	cassette 2 lifter position sensor (Q13) signal	C2LTP	J109-A4	1: lifter UP
	2	cassette 3 lifter position sensor (Q851) signal	C3LTP	J108-B7	1:lifter UP
	3	cassette 4 lifter position sensor (Q853) signal	C4LTP	J108-A10	1: lifter UP
	4	scanner home position sensor (Q8) signal	SCHP	J114-B5	1: at home position
	5	reserved.			
	6	copyboard cover open/closed sensor (MS2) signal	$\overline{\text{CBCC}}$	J102-A7	0: closed
	7	reserved.			
PB1	0	cassette 1 lifter motor (M8) drive command	C1LTMD	J109-A13	1: M8 ON
	1	cassette 2 lifter motor (M9) drive command	C2LTMD	J109-A14	1: M9 ON
	2	cassette 3 lifter motor (M801) drive command	$\overline{\text{C3LTMD}}$	J108-B8	1: M801 ON
	3	cassette 4 lifter motor (M802) drive command	$\overline{\text{C4LTMD}}$	J108-A11	1: M802 ON
	4	reserved.			
	5	cleaning belt drive solenoid (SL2) drive command	$\overline{\text{CLBSD}}$	J111-A5	1: SL2 ON
	6	counter (CNT1, CCV) drive command	$\overline{\text{CNT1D}}$ $\overline{\text{CCD}}$	J110-B1 J101-B8	0: counter ON
	7	counter (CNT2) drive command	$\overline{\text{CNT 2D}}$	J110-B3	1: CNT2 ON
PC1	0	hopper motor (M10) drive command	$\overline{\text{HMD}}$	J111-A1	1: M10 ON
	1	heat exhaust fan (FM2) drive command	$\overline{\text{FM2D}}$	J120-2	1: FM2 ON
	2	heat exhaust fan (FM2) high-speed rotation command	FM2STB	J120-1	1: high-speed rotation
	3	scanner cooling fan (FM1) drive command	$\overline{\text{FM1D}}$	J102-B9	1: FM1 ON

Table 3-319B

Address	bit	Signal	Notation	Jack No.	Remarks
PC1	4	feeder fan (FM3) drive command	FM3D	J117-2	1: FM3 ON
	5	main motor (M1), pre-exposure lamp (LA2) drive command	$\overline{\text{MMD}}$ PEXP	J102-A5 J102-B1	1: M1, LA2 ON
	6	scanner motor (M2) drive command	$\overline{\text{SCMD}}$	J102-A1	1: M2 ON
	7	scanner forward command	$\overline{\text{SCFW}}$	J102-A2	1: scanner forward
PA2	0	cassette 1 paper sensor (Q10) signal	C1PD	J109-A1	1: paper present
	1	cassette 2 paper sensor (Q11) signal	C2PD	J109-A2	1: paper present
	2	cassette 3 paper sensor (Q850) signal right deck paper sensor (Q751) signal	C3PD RPADE	J108-B6	1: paper present
	3	cassette 4 paper sensor (Q852) signal left deck paper sensor (Q752) signal	C4PD LPADE	J108-A9	1: paper present
	4	reserved.			
	5	reserved.			
	6	black toner supply signal (Q17)	$\overline{\text{BTSP}}$	J111-A13	0: black toner supply
	7	control card sensor signal (CCV)	$\overline{\text{CCDT}}$	J111-B7	0: control card present
PB2	0	D/A converter data 0	DA DATA0	—	
	1	D/A converter data 1	DA DATA1	—	
	2	D/A converter data 2	DA DATA2	—	
	3	reserved.			
	4	reserved.			
	5	reserved.			
	6	scanning lamp (LA1) ON command	$\overline{\text{LRD}}$	J109-A4	1: LA1 ON
	7	fixing heater (H1) ON signal	$\overline{\text{HTRD}}$	J109-B14	1: H1 ON
PC2	0	delivery motor (M7) CW/CCW switch command	DFFW	—	
	1	DP request signal	DPRQ	—	
	2	lower feeder drive command	LFON	—	
	3	CCV count command	CCNTD	J110-B8	0: ON
	4	primary corona wire cleaner reverse command	$\overline{\text{PCLMR}}$	—	1 } forward; 0 } reverse
	5	primary corona wire cleaner forward command	$\overline{\text{PCLMF}}$	—	0 } forward; 1 } reverse

Table 3-319C

Address	bit	Signal	Notation	Jack No.	Remarks
PC2	6	transfer/separation corona wire cleaner reverse command	$\overline{TCLMR}$	—	1 } forward 0 } reverse
	7	transfer/separation corona wire cleaner forward command	$\overline{TCLMF}$	—	0 } 1 }
PA3	0	key read signal 0	RTN0	J104-A6 J112-4 J108-A7	reads input from switches on control panel
	1	key read signal 1	RTN1	J104-A5 J112-3 J108-A6	
	2	key read signal 2	RTN2	J104-A4 J112-6 J108-A5	
	3	key read signal 3	RTN3	J104-A3 J112-5 J108-A4	
	4	key read signal 4	RTN4	J112-8 J108-A3	
	5	key read signal 5	RTN5	J112-7	
	6	key read signal 6	RTN6	J112-10	
	7	key read signal 7	RTN7	J112-9 J111-B9	
PB3	0	oscillation signal 0	KDGT0	J112-11	power supply for reading input from switches on control panel
	1	oscillation signal 1	KDGT1	J112-14	
	2	oscillation signal 2	KDGT2	J112-13	
	3	oscillation signal 3	KDGT3	J112-16	
	4	oscillation signal 4	KDGT4	J112-15	
	5	oscillation signal 5	KDGT5	J112-18	
	6	oscillation signal 6	KDGT6	J110-17 J107-8	
	7	oscillation signal 7	KDGT7	J104-A1	
PC3	0	oscillation signal 8	KDGT8	J104-A2	
	1	oscillation signal 9	KDGT9	J108-A2	
	2	oscillation signal 10	KDGT10	J108-A1	
	3	oscillation signal 11	KDGT11	J121-11	
	4	developing bias AC drive command	$\overline{HVBAC}$	J103-B8	1: developing bias AC component ON
	5	AC transformer drive command	$\overline{HVAC}$	J104-A7	1: AC transformer ON
	6	control panel lamp drive command	CPLD	J112-34	1: lamp ON

Table 3-319D

Address	bit	Signal	Notation	Jack No.	Remarks
PC3	7	oscillation signal	WATCHDOG1	—	checking erratic error
PA4	0	reserved.			
	1	manual feed door sensor (MS4) signal	$\overline{\text{MFDC}}$	J109-A8	0: door closed
	2	lower right door sensor (MS801/MS703) signal	$\overline{\text{RLDC}}$ RDODE	J108-B9	0: door closed
	3	scanner motor PLL lock signal	$\overline{\text{M2LK}}$	J102-A4	0: rotation normal
	4	main motor PLL lock signal	$\overline{\text{M1LK}}$	J102-A6	0: rotation normal
	5	SSR error sensor signal	SRER	J103-A5	0: error
	6	waste toner sensor (MS1) signal	$\overline{\text{WTOF}}$	J102-A9	alternately '1' and '0' when drum is full of waste toner.
	7	counter (CNT1) open circuit signal	CANTRERR	J110-B1	1: CNT1 open circuit
PB4	0	oscillation signal 0	LDGT0	J112-28	control panel LED ON power supply
	1	oscillation signal 1	LDGT1	J112-27	
	2	oscillation signal 2	LDGT2	J112-30	
	3	oscillation signal 3	LDGT3	J112-29	
	4	oscillation signal 4	LDGT4	J112-32	
	5	oscillation signal 5	LDGT5	J112-31	
	6	reserved.			
	7	power check LED ON command	$\overline{\text{PLEDD}}$	J112-33	1: LED ON
PC4	0	ON signal 0	SEG0	J112-20	control panel LED ON signal
	1	ON signal 1	SEG1	J112-19	
	2	ON signal 2	SEG2	J112-22	
	3	ON signal 3	SEG3	J112-21	
	4	ON signal 4	SEG4	J112-24	
	5	ON signal 5	SEG5	J112-23	
	6	ON signal 6	SEG6	J112-26	
	7	ON signal 7	SEG7	J112-25	
PA5	0	primary corona wire cleaner home position sensor (MS7)	$\overline{\text{PCLHP}}$	J102-B7	0: HP
	1	transfer/separation corona wire cleaner home position sensor (MS8)	$\overline{\text{TSCHP}}$	J117-7	0: HP
	2	primary corona wire cleaner reversal sensor (MS6)	$\overline{\text{PCLRP}}$	J102-B5	0: reversal position

Table 3-319E

Address	bit	Signal	Notation	Jack No.	Remarks
PA5	3	transfer/separation corona wire cleaner reversal sensor (MS5)	$\overline{\text{TSCHP}}$	J117-5	0: reversal position
	4	DP busy signal	DPBS	—	
	5	reserved.			
	6	hopper black toner out signal	$\overline{\text{BTEP}}$	J111-A10	0: below specified level
	7	power switch OFF command open circuit signal	$\overline{\text{PWOFF}}$	J111-A7	0: normal
PB5		reserved.			
PC5		reserved.			
SPA	0	lower feeder No. 1 motor (M5) drive command	LF1A	J109-B6	alternates between '1' and '0' while M5 rotates
	1		LF1B	J109-B9	
	2		$\overline{\text{LF1A}}$	J109-B7	
	3		$\overline{\text{LF1B}}$	J109-B10	
	4	lower feeder No. 2 motor (M6) drive command	LF2A	J118-1	alternates between '1' and '0' while M6 rotates
	5		LF2B	J118-4	
	6		$\overline{\text{LF2A}}$	J118-2	
	7		$\overline{\text{LF2B}}$	J118-5	
SPB	0	delivery feeder motor (M7) drive command	DFA	J110-A6	alternates between '1' and '0' while M7 rotates
	1		DFB	J110-A9	
	2		$\overline{\text{DFA}}$	J110-A7	
	3		$\overline{\text{DFB}}$	J110-A10	
	4	lens motor (M3) drive command	$\overline{\text{LNA}}$ LNA	J114-A2 J114-A1	alternates between '1' and '0' while M3 rotates
	5		$\overline{\text{LNB}}$ LNB	J114-A5 J114-A3	
	6	horizontal registration motor (M4) drive command	$\overline{\text{CRGA}}$ CRGA	J103-8 J103-7	alternates between '1' and '0' while M4 rotates
	7		$\overline{\text{CRGB}}$ CRGB	J103-11 J103-10	
SPC	0	lens motor (M3) power supply switch signal	LNSTB	J114-A4	1: 5V 0: 24V
	1	horizontal registration motor (M4) power supply switch signal	CRGSTB	J103-A9	1: 5V 0: 24V
	2	delivery motor (M7) FW/RV switch command	DFFW	—	0: clockwise rotation
	3	DP request signal	DPRQ	—	

Table 3-319F

Address	bit	Signal	Notation	Jack No.	Remarks
SPC	4	lower feeder control signal	DFCTL	—	
	5	lower feeder outlet paper sensor (Q14) signal	$\overline{\text{PDP5}}$	J109-A5	0: paper present
	6	lens home position sensor (Q7) signal	LHP	J114-B13	1: at home position
	7	horizontal paper edge sensor (Q6) signal	PDP2	J104-B2	1: paper present
SPF	0	oscillation signal 0	BDGT0	J119-2	blank exposure lamp ON power supply
	1	oscillation signal 1	BDGT1	J119-1	
	2	oscillation signal 2	BDGT2	J119-3	
	3	oscillation signal 3	BDGT3	J119-34	
	4	oscillation signal 4	BDGT4	J119-31	
	5	blank exposure lamp intensity switch	BSTRONG	—	
	6	DP busy signal	DPBS	—	
	7	side blank exposure lamp ON command	SBLNC	J119-6	
MT6	0	key read signal	RTN0	—	reads input from switches on control panel
	1		RTN1	—	
	2		RTN2	—	
	3		RTN3	—	
	4	reserved.			
	5	reserved.			
	6	reserved.			
	7	reserved.			
MT7	0	cassette 1 (machine top) size switch	RTN0	J104-A6	when pressed, '1'
	1		RTN1	J104-A5	
	2		RTN2	J104-A4	
	3		RTN3	J104-A3	
	4	inch configuration connect signal	RTN4	—	depends on combination with SW101 on DC controller PCB
	5	metric configuration connect signal	RTN5	—	
	6	counter non-Japanese configuration connect signal	RTN6	—	
	7	reserved.			
MT8	0	cassette 2 (machine bottom) size switch	RTN0	J104-A6	when pressed, '1'
	1		RTN1	J104-A5	

Table 3-319G

Address	bit	Signal	Notation	Jack No.	Remarks
MT8	2	cassette 2 (2nd) size switch	RTN2	J104-A4	when pressed, '1'
	3		RTN3	J104-A3	
	4	reserved.			
	5	reserved.			
	6	reserved.			
	7	service mode input push switch (SW501)	RTN7	J111-B1	1: SW501 ON
MT9	0	cassette 3 (cassette feeding unit top) size switch/paper deck pedestal size switch	RTN0	J108-A7	when pressed, '1'; if paper deck pedestal, PTN2 is reserved.
	1		RTN1	J108-A6	
	2		RTN2	J108-A5	
	3		RTN3	J108-A4	
	4	cassette feeding unit/paper deck pedestal connect signal	RTN4	J108-A3	*
	5	reserved.			
	6	reserved.			
	7	reserved.			
MTA	0	cassette 4 (cassette feeding unit bottom) size switch/paper deck pedestal size switch	RTN0	J108-A7	when pressed, '1'.
	1		RTN1	J108-A6	
	2		RTN2	J108-A5	
	3		RTN3	J108-A4	
	4	cassette feeding unitl/paper deck pedestal connect signal	RTN4	J108-A3	*
	5	reserved.			
	6	reserved.			
	7	reserved.			
MTB		for factory.			

Table 3-319H

* The cassette feeding unit and the paper deck pedestal are distinguished based on the following combinations:

Address	bit	Cassette feeding unit	Paper deck pedestal
MT9	4	1	0
MTA	4	1	1

RDF-B1

Address	bit	Signal	Notation	Jack No.	Remarks
DF0	0	recycle motor (M4) drive command	RMD	J8-6	1: motor ON
	1	document set indicator LED ON command	$\overline{\text{DSD}}$	J8-4	0: LED ON
	2	reserved.			
	3	brake drive command	$\overline{\text{BKD}}$	J6-2	0: brake ON
	4	stop plate solenoid (SL1) drive command	$\overline{\text{STPSLD}}$	J5-4	0: solenoid ON
	5	paper deflector plate solenoid (SL3) drive command	$\overline{\text{DFSLD}}$ FLPSL	J4-2	0: solenoid ON
	6	for microprocessor	—	—	
	7	mixed document size mode switch input	$\overline{\text{DSM}}$	J8-7	0: mode set
DF1	0	mixed document size mode indicator LED ON command	$\overline{\text{DSMD}}$	J8-8	0: LED ON
	1	belt motor pulse signal	BMPWM		
	2	belt motor rotation direction signal	BMRD	—	1: CCW 0: CW
	3	belt motor (M3) drive command	BMON	—	1: ON
	4	feeder motor (M2) drive command	FMD	J11-1	1: ON
	5	feeder motor short brake signal	FMON	—	
	6	pick-up motor (M1) drive command	PUMD	J12-1	1: motor ON
	7	paper retainer solenoid (SL2) drive command	$\overline{\text{WSLD}}$	J5-2	0: solenoid ON
DF2	0	for communication with external devices	DI	—	
	1	for communication with external devices	DO	—	
	2	for microprocessor			
	3	belt motor clock sensor (S10) signal	BMCLK	J9-23	
	4	for microprocessor	—	—	
	5	for microprocessor	—	—	
	6	for microprocessor	—	—	
	7	for microprocessor	—	—	
DF3	0	reversal sensor (S8) signal	PDP5	J9-17	1: paper present
	1	pick-up roller sensor (S5) signal	$\overline{\text{PUSP}}$	J9-8	1: pick-up roller at home position
	2	pick-up sensor (S7) signal	PDP1	J9-14	1: paper present
	3	delivery sensor (S6) signal	PDP2	J9-11	1: paper present

Table 3-320A

Address	bit	Signal	Notation	Jack No.	Remarks
DF3	4	recycle sensor (S11) signal	LDD	J8-2	0: recycle lever on document
	5	LED1 ON signal	LED1	—	
	6	LED2 ON signal	LED2	—	
	7	LED3 ON signal	LED3	—	
DF4	0	DIP switch setting	DIPSW1	—	
	1	DIP switch setting	DIPSW2	—	
	2	DIP switch setting	DIPSW3	—	
	3	DIP switch setting	DIPSW4	—	
	4	DIP switch setting	DIPSW5	—	
	5	DIP switch setting	DIPSW6	—	
	6	push switch signal	SW1	—	
	7	editor set signal	$\overline{\text{DCNT}}$	J10-3	0: editor set

Table 3-320B

Sorter-A1

Address	bit	Signal	Notation	Jack No.	Remarks
ST0	0	lead cam position sensor (PI1) signal	LCHP	J4-2	1: lead cam home position
	1	non-sort position sensor (PI2) signal	BNSP	J4-5	1: bin at non-sort position
	2	push switch (SW2)	—	—	0: SW2 ON
	3	push switch (SW3)	—	—	0: SW3 ON
	4	DIP switch (SW1-1)	—	—	0: SW1-1 PN
	5	DIP switch (SW1-2)	—	—	0: SW1-2 ON
	6	joint switch (MS1)	$\overline{\text{SIP}}$	J4-7	0: MS1 ON
	7	paper sensor (PI3) signal	$\overline{\text{PDP}}$	J5-2	0: paper present
ST1	0	bin motor down signal	BMDWN	—	1: bin DOWN
	1	bin motor up signal	BMUP	—	1: bin UP
	2	paper deflector plate solenoid (SL1)	PDSD	J6-2	1: SL1 ON
	3	reserved.			
	4	LED1 ON signal	—	—	0: LED1 ON
	5	reserved			
	6	reserved.			
	7	reserved.			
ST2	0	for factory.		J2-7	
	1			J2-5	
	2			J2-3	
	3			J2-1	
	4	reserved.			
	5	reserved.			
	6	feeder motor (M2) drive command	PFMD	J5-4	1: M2 ON
	7	IPC error signal			
ST3		address/data bus	—	—	
ST4		address bus	—	—	

Table 3-321

Stapler Sorter-A1/Sorter-B1

Address	bit	Signal	Notation	Jack No.	Remarks
ST0	0	reserved.			
	1	stapling home position sensor (PI12)	SPL-HP	J11-3	1: stapling home position
	2	stapler unit swing sensor (MS9) signal	SWG SET	J8-5	1: home position or stapling position
	3	stapler cover open/closed sensor (MS5) signal	SPLOPN	J10-3	1: stapler cover open
	4	guide bar home position sensor (PI7) signal	SGBHP	J12-6	1: at home position
	5	lead cam home position sensor (PI5) signal	LCHP	J14-5	1: at home position
	6	reserved.			
	7	reserved.			
ST1	0	guide bar swing motor (M3) phase A excitation signal	$\overline{\text{MA}}$	J13-3, 5	alternates between '1' and '0' while motor rotates
	1	guide bar swing motor (M3) phase B excitation signal	$\overline{\text{MB}}$	J13-4, 6	
	2	guide bar swing motor (M3) drive command	MON	J13-2	1: motor ON
	3	stapler motor (M4) forward rotation signal	$\overline{\text{SPLMFW}}$	—	0: forward
	4	stapler motor (M4) reverse rotation signal	$\overline{\text{SPLMRW}}$	—	0: reverse
	5	switch-back path solenoid (SL1) drive command	$\overline{\text{PSLD}}$	J7-8	0: SL1 ON
	6	paper path switch solenoid (SL2) drive command	PSLD	J7-8	0: SL2 ON
	7	paper retainer solenoid (SL3) drive command	PHSLD	J5-2	0: SL3 ON
ST2	0	motor switch signal	—	—	
	1	stapling ready indicator ON signal	SPLOK	J8-4	1: LED ON
	2	bin paper sensor LED ON signal	BPD	J12-2	
	3	motor clock signal	—	—	
	4	stapler unit swing motor (M5) drive command	$\overline{\text{SWGMD}}$	J9-1	1: M5 ON
	5	feeder motor clock sensor (PI6) signal	FMCLK	J5-4	
	6	reserved.			
	7	feeder motor (M1) brake signal	—	—	1: M1 OFF

Table 3-322A

Stapler Sorter-A1/Sorter-B1

Address	bit	Signal	Notation	Jack No.	Remarks
ST3	0	stapling position sensor signal	SPD	J8-8	1: paper present
	1	reserved.			
	2	manual stapling key signal	MNSPL	J8-1	0: switch ON
	3	non-sort paper sensor signal	$\overline{\text{NSPEXT}}$	J7-5	0: paper present
	4	sort paper sensor signal	$\overline{\text{SPEXT}}$	J7-2	0: paper present
	5	bin unit home position sensor signal	BHP	J14-2	1: bin unit at home position
	6	joint sensor signal	$\overline{\text{SOP}}$	J2-2	0: sorter released
	7	reset signal	—	—	
ST4	0	stapler position set sensor signal	SPL-SET	J10-6	0: stapler position
	1	reserved.			
	2	reserved.			
	3	reserved.			
	4	reserved.			
	5	reserved.			
	6	reserved.			
	7	reserved.			

Table 3-322B

Auto Stapler Folder-A1

Address	bit	Signal	Notation	Jack No.	Remarks
ST0	0	stapler guide plate drive motor (M7) drive pulse signal	PMA	J7-11	alternates between '1' and '0' while M7 rotates
	1		$\overline{\text{PMA}}$	J7-12	
	2		PMB	J7-13	
	3		$\overline{\text{PMB}}$	J7-14	
	4	staple guide plate drive motor (M7) drive power supply	PMON	J7-9	1: drive power supply ON
	5	No. 2 paper path drive solenoid (SL3) drive command	$\overline{\text{P2SLD}}$	J4-2	0: SL3 ON
	6	paper deflector plate 1 solenoid (SL1) drive command	$\overline{\text{D1SLD}}$	J4-4	0: SL1 ON
	7	paper deflector 2 solenoid (SL2) drive command	$\overline{\text{D2SLD}}$	J4-6	0: SL2 ON
ST1	0	feeder motor (M1) drive command	FMD	J7-3	1: M1 ON
	1	No. 1 delivery motor (M4) drive command	DM1D	J7-1	1: M4 ON
	2	No. 2 delivery motor (M2) forward rotation signal	$\overline{\text{DM2FW}}$	—	1: M2 forward
	3	No. 2 delivery motor (M2) reverse signal	$\overline{\text{DM2RW}}$	—	1: M2 reverse
	4	stapler motor (M6) forward rotation signal	$\overline{\text{SPLMFW}}$	—	0: M6 forward
	5	stapler motor (M6) reverse rotation signal	$\overline{\text{SPLMRV}}$	—	0: M6 reverse
	6	shift motor (M8) drive command	SFMD	J5-5	1: M8 ON
	7	swing unit drive motor (M5) drive command	SWMD	J7-5	1: M5 ON
ST2	0	No. 2 delivery motor clock sensor (PI2) signal	DM2CLK	J9-B13	alternates between '1' and '0' while M2 rotates
	1	stack motor clock sensor (PI10) signal	STMCLK	J6-2	alternates between '1' and '0' while M3 rotates
	2	staple guide plate home position sensor (PI1) signal	SGHP	J9-A13	1: home position
	3	No. 1 delivery motor clock sensor (PI6)	DMICLK	J9-B7	alternates between '1' and '0' while M1 rotates
	4	No. 1 paper path sensor (PI9) singnal	$\overline{\text{PP1D}}$	J9-A10	0: paper present
	5	No. 2 paper path sensor (PI8) signal	$\overline{\text{PP2D}}$	J9-B10	0: paper present
	6	swing unit home position sensor (PI7) signal	$\overline{\text{SWHP}}$	J9-A4	0: swing unit at top or bottom

Table 3-323A

Auto Stapler Folder-A1

Address	bit	Signal	Notation	Jack No.	Remarks
ST2	7	sub tray solenoid (SL4) drive command	$\overline{\text{SSLD}}$	J5-4	0: SL4 ON
ST3	0	stack tray upper limit sensor (MS6) signal	$\overline{\text{VLS}}$	J4-10	1: stack tray top topmost
	1	stack tray lower limit sensor (MS7) signal	$\overline{\text{LLS}}$	J4-12	1: stack tray bottommost
	2	stack tray shift width sensor (MS8) signal	$\overline{\text{SFTW}}$	J6-10	0: left/right shift end
	3	stack tray left/right position sensor (PI11) signal	$\overline{\text{LPD}}$	J6-5	0: stack tray left
	4	DIP switch (SW1-1)	—		for factory.
	5	DIP switch (SW1-2)	—		0: ON
	6	DIP switch (SW1-3)	—		0: ON
	7	manual stapling key (SW10) signal	MNSPL	J9-B4	0: key ON
ST4	0	folder feeder motor (M1) drive command	$\overline{\text{PFMD}}$	J10-6	1: M1 ON
	1	skew correction solenoid (SL8) drive command	$\overline{\text{SRSD}}$	J11-8	1: SL8 ON
	2	lock solenoid (SL3) drive command	$\overline{\text{PSD}}$	J11-5	1: SL3 ON
	3	B4Z-fold No. 1 solenoid (SL4) drive command	$\overline{\text{ZMSD}}$	J11-4	1: SL4 ON
	4	A3Z-fold solenoid (SL5) drive command	$\overline{\text{ZLSD}}$	J11-3	1: SL5 ON
	5	B4 1/2-fold solenoid (SL6) drive command	$\overline{\text{HMSD}}$	J11-2	1: SL6 ON
	6	middle deflector plate solenoid (SL2) drive signal	$\overline{\text{PMSD}}$	J11-6	1: SL2 ON
	7	B4 Z-fold No. 2 solenoid (SL7) drive command	$\overline{\text{ZMSSD}}$	J11-1	1: SL7 ON
ST5	0	paper folder unit connect signal	$\overline{\text{PFSET}}$	J10-3	0: paper fold unit present
	1	folded paper sensor (PT3) signal	$\overline{\text{PD}}$	J10-3	0: paper present
	2	stapling home position sensor (MS4) signal	SPLHP	J8-3	1: home position
	3	stapler unit connect signal	$\overline{\text{SPLSET}}$	J8-1	0: stapler unit present
	4	reserved.			
	5	reserved.			
	6	stack motor (M3) down signal	$\overline{\text{STMDWN}}$		1: M3 forward
	7	stack motor (M3) up signal	$\overline{\text{STMUP}}$		1: M3 reverse

Table 3-323B

Auto Stapler Folder-A1

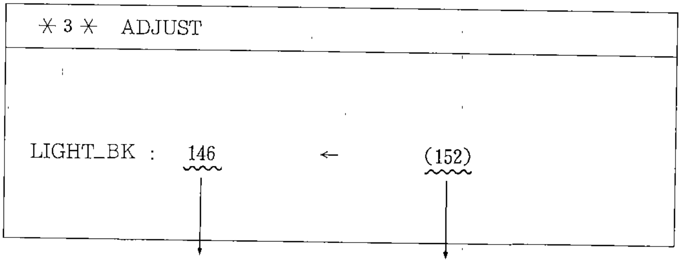
Address	bit	Signal	Notation	Jack No.	Remarks
ST6	0	reserved.			
	1	reserved.			
	2	reserved.			
	3	swing unit open/closed sensor (MS3) signal	SWDWN	J2-4	0: swing unit closed
	4	staple tray paper sensor (PI3) signal	SPD	J9-A16	1: paper present
	5	stack level sensor (PI4) signal	STL	J9-B16	1: paper is on stack tray
	6	stack tray paper sensor (PI12) signal	STD	J6-8	1: paper present
	7	staple sensor (PT1) signal	HKEMP	J8-6	0: staple present
ST7	0	joint sensor (MS2) signal	$\overline{\text{SOP}}$	J2-2	0: not connected to copier
	1	stapler cover open/closed sensor (MS5) signal	$\overline{\text{SPLOPN}}$	J4-8	0: stapler cover open
	2	paper folder unit power supply sensor signal	PFPW	J10-5	1: power available
	3	lower left door open/closed sensor (MS2) signal	LLOPN	J12-1	0: lower left door open
	4	reserved.			
	5	reserved.			
	6	reserved.			
	7	reserved.			

Table 3-323C

F. Adjustment Mode (*3*)

Select the desired screen using the △ and ▽ keys.

- Enter the settings using the numeric keypad.
- Reverse the +/– using the ID key.
- Press the OK key to store the settings; the settings must be within the ranges given.



```
＊3＊  ADJUST

LIGHT_BK :  146        ←        (152)
```

A press on the OK key changes it to '152'.

New setting.

Figure 3-311 ADJUST Screen

Item	Adjustment	Range	Remarks
LIGHT_BK	intensity at copy density 5 (both manual and AE)	80 to 215	A higher setting decreases the copy density; in units of 0.14 V.
AE_SLOP	AE slope	0 to 255	A higher setting decreases the density of newspaper copies.
REGIST	leading edge margin (registration roller ON timing)	0 to 255	A higher setting delays the registration roller ON timing; in units of 0.48 mm.
LE_BLANK	leading edge non-image width (blank exposure LED OFF timing)	1 to 255	A higher setting delays the blank exposure LED OFF timing, thereby increasing the leading edge non-image width; in units of 0.2 mm.

Table 3-324A

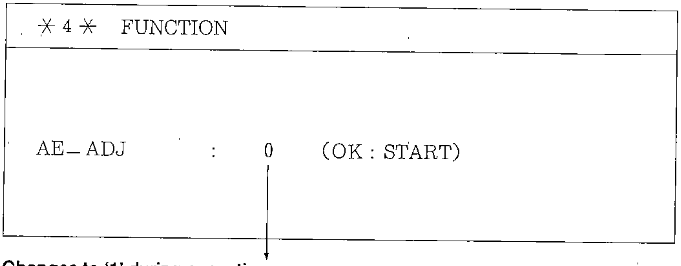
Item	Adjustment	Range	Remarks
BRAKE_SC	scanner stop position (scanner brake ON timing)	1 to 50	A higher setting moves the stop position to the left; in units of 2 ms.
GRID_N	grid bias	0 to 63	A higher setting (closer to 63) increases the bias (closer to –960 V), thereby increasing the copy density.
GRID_P	grid bias in photo mode		
BIAS_N	development bias (DC component) in black copy mode		A higher setting (closer to 63) increases the bias (closer to –500 V), thereby decreasing the copy density.
TRN_1	transfer current		A higher setting (closer to 63) increases the current.
TRN_2	transfer current for 2nd page of overlay/two-sided copy		
SEP_1	separation current		A higher setting (closer to 63) increases the current.
SEP_2	separation current for 2nd page of overlay/two-sided copy		
SZ1_ADJ SZ2_ADJ SZ3_ADJ	for factory		
BK_BELT	for factory.		
DOC_STOP	document stop position (for RDF)	–7 to +7	A higher setting moves the document to the right (pick-up direction); in units of 0.33 mm. For details, see p. 3-163.

Table 3-324B

G. Function/Inspection Mode (*4*)

- Select the desired screen using the △ and ▽ keys.
- Press the OK key to execute the operation; a second press stops the operation.

The operation under each time must be executed in the standby state only.



4 FUNCTION

AE_ADJ : 0 (OK : START)

Changes to '1' during execution.

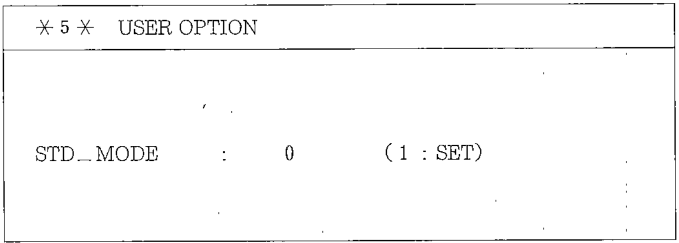
Figure 3-312 FUNCTION Screen

Item	Adjustment	Remarks
TONER_S	toner supply at time of installation	supplies toner to developing assembly automatically; 7 min max.
AE_ADJ	AE scan intensity	after execution, returns to '0' automatically and stops; see p. 3-157.
LCD-CHK	LED on control panel (ON)	Check for missing dots (reverse video screen).
ERROR	E000, E001, E002, E003, E004, E020; waste toner full message clear	
SCANLAMP	scanning lamp ON (check)	if ON for 40 sec or more, lamp error ON circuit goes ON to cut off power.
HPPR_MTR	hopper motor operation/No. 3 registration roller clutch operation (check)	*Do not keep it ON for long, or toner will overflow the black developing assembly.* (hopper motor)
DISP_LED	control panel LED ON (check)	flashes
BLANK	blank exposure lamp LED all ON	Make sure that the drum unit has been detached first.
RAM_INIT	RAM data initialization	initializes the data in RAM on the DC controller; execution must be limited to after replacement of the DC controller. After execution, enter the settings (*3*) recorded on the label.

Table 3-325

H. User Option Mode (*5*)

- Select the desired screen using the △ and ▽ keys.
- Change the settings using the numeric keypad.
- Press the OK key to store the settings.



```
*5*   USER OPTION

STD_MODE      :     0          (1 : SET)
```

Figure 3-313 USER OPTION Screen

Item	use	Description	Remarks
STD_MODE	sets the standard mode	allows automatic selection of modes in response to a press on the RESET key.	have the desired mode displayed, select the item, and press the OK key.
AUTO_CAS	enables/disables auto cassette change mechanism	when enabled, the mechanism automatically switches cassettes when the selected cassette runs out of paper during continuous copying; both cassettes must have paper of the same size. 1: disable 0: enable	
1_SORT	selects sort mechanism for 1st document	when enabled, sorting/grouping will be possible even when the document is a single-page document (RDF in use). 0: disable 1: enable	
BIND	selects image shift A or B	when enabled, a binding margin may be created on the 2nd side of the page when in the 'one-sided documents to two-sided copy' or 'two-sided document to one-sided copies' mode. 0 (A): enable 1 (B): disable	

Table 3-326A

Item	use	Description	Remarks
MODE_INT	initializes standard mode	Resets the data stored under 'STD-MODE' and under "USER OPTION' (*5*); after execution, the settings will be those stored at the factory.	Defaults: • DIRECT • auto paper selection • AE • 1 copy
SHUT_OFF	enables/disables auto shut-off mechanism	enables or disables the auto shut-off time (2 hr.). 0: enable 1: disable	
SIZE_DET	enables/disables size identification	enables or disables the document size identification mechanism. 0: enable 1: disable	
DATE_TIM	enables/disables display of date/time	0: enably 1: disable	
DATE_SEL	selects mode of date display	enables selection of any of the following: if April 26, 0: 4/26 1: 26/4 2: APR/26	press '0', '1', or '2'; then, press the OK key.
DENS. IND	switches density indications (9/17)	selects indications by LED between 9 levels and 17 levels. 0: 9 levels 1: 17 levels	
OHP EDGE1 OHP EDGE2 OHP EDGE3 OHP EDGE4	prohibits No. 1 registration roller control; this is to ensure that the horizontal registration paper edge sensor detects OHP paper fed from the cassette.	disables horizontal control of the No. 1 registration at time of pick-up (user option). 0: enable 1: disable	may differ between cassette holders. 1: 1st cassette 2: 2nd cassette 3: 3rd cassette 4: 4th cassette
TRN_CHG	switches transfer output	switches the output of transfer current; use it when transfer faults occur in a high-temperature/humidity environment. 0: normal 1: up by 50µA	

Table 3-326B

Item	use	Description	Remarks
WARM_UP	switches wait time (warm-up time)	switches the target fixing temperatures (e.g., to shorten the wait period; Japanese models only). 0: shorter wait time (160°C) 1: longer wait time (190°C)	Do not use the mode; fixing failure may accur when the machine is switched ON in the morning.
WEB	switches cleaning belt drive solenoid (SL2) drive frequency	0: normal value 1: twice normal value	The cleaning belt drive solenoid, as a rule, is driven depending on the length of paper: if 216 mm or less, once; if 216 mm or more, twice.
US1 US2 UL1 UL2	stores size of universal cassette	stores the size of the paper used in the universal cassette, thereby enabling the use of the auto reproduction ratio selection mechanism.	LENGTH: paper feed direction WIDTH: front/rear direction

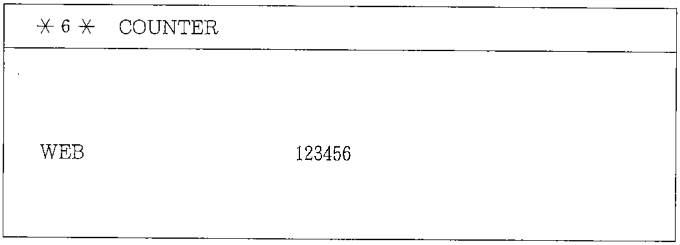
Table 3-326C

Position of Cassette Tabs (1: present)

	left			right
US1	1	0	0	0
US2	1	0	0	1
UL1	1	0	1	0
UL2	0	0	1	0

I. Counter Mode (*6*)

- Select the desired screen using the ▽ and △ keys.
- A press on the CLEAR/STOP key while holding down the service mode switch (Figure 3-300) clears the respective counter reading.



```
*6*  COUNTER

WEB              123456
```

Figure 3-314 COUNTER Screen

Item	Display (max.)	Description
WEB	number of times cleaning belt drive solenoid has gone ON*	999999 (returns to 000000 thereafter)
MANUAL	number of manual feed pick-ups	
CST_1	number of pick-ups from cassette 1	
CST_2	number of pick-ups from cassette 2	
CST_3	number of pick-ups from cassette 3	
CST_4	number of pick-ups from cassette 4	
TWO_SIDE	number of pick-ups from lower feeder assembly (two-sided copy)	
OVERLAY	number of pick-ups from lower feeder assembly (overlay copy)	
DF	number of document pick-ups from RDF	

* At the 300,000th copy, indicates the 'BELT SHORT' message on the display.

Table 3-327

J. Adjustment

1. Light Intensity/AE Adjustment

Table 3-328 shows those items that can be adjusted using the scanning lamp intensity control circuit.

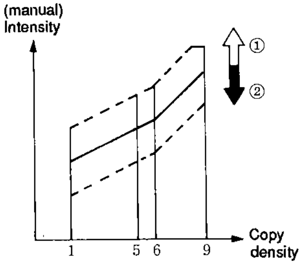
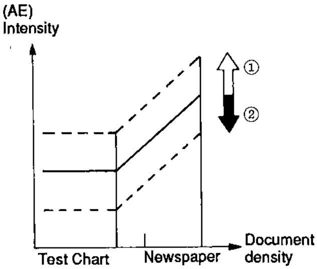
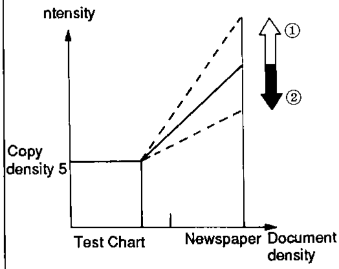
Item	Adjustment	Description	Remarks
3 LIGHT_BK	Optimum exposure; copy density 5	 	① If the setting is increased in the service mode, the scanning lamp intensity during copying operation will increase, thereby decreasing the copy density. ② If the setting is decreased in the service mode, the intensity during copying operation will decrease, thereby increasing the copy density.
3 AE_SLOP	AE slope		① If the setting is increased in the adjustment mode, copies of a newspaper will be lighter. ② If the setting is decreased in the adjustment mode, copies of a newspaper will be darker.
4 AE_ADJ	AE scan intensity	The setting determines the standard intensity for AE scans; see p.3-157.	

Table 3-328

2. Adjusting the Development Bias

Table 3-329 shows those items that can be adjusted using the development bias control circuit; make sure that the setting in the user asterisk mode ($\boxed{*}\boxed{5}\boxed{*}$; copy density) is at the standard setting (center) before making this adjustment.

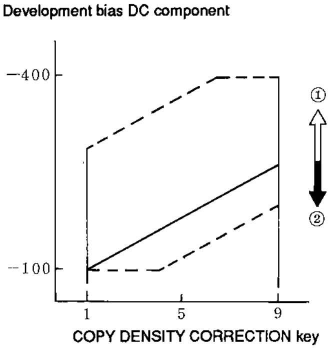
Item	Adjustment	Description	Remarks
$\boxed{*}\boxed{3}\boxed{*}$ BIAS_N	Development bias (DC component; black copy)		① If the setting is increased in the service mode, the DC component of the black development bias during black copying operation will increase, thereby decreasing the copy density. ② If the setting is decreased in the service mode, the DC component of the development bias will decrease, thereby increasing the copy density.

Table 3-329

3. Adjusting the AE Scan Intensity

If the scanning lamp, AE sensor, or DC controller has been replaced, make adjustments as follows:

1) Open the front door, and insert the door switch actuator into the door switch; set the Test Sheet (NA2 or NB3) on the copyboard, and close the copyboard cover.
   - After the WAIT period is over,
2) Press the service mode switch (SW501) using the hex key.
   - The machine enters the service mode and indicates '$' on its display.
3) Press the $\boxed{*}$,$\boxed{4}$, and then $\boxed{*}$ keys in sequence.
   - The machine enters the function mode and indicates 'AE_ADJ' on its LCD display.
4) Press the OK key.
   - The machine indicates 'AE_ADJ: 1'. If '1' and '0' alternates, press the OK key to indicate '0'; then, make checks, and go over the foregoing steps.
   - The machine repeats AE scans and decides the intensity for AE scans automatically.
   - Upon completion, the machine indicates 'AE_ADJ: 0'.
5) Press the RESET key to leave the service mode.

Note:
During the adjustment, the copy density display (LEDs) on the control panel indicates the output of the AE sensor. The adjustment is over when the display indicates '6' or '7'.
If the AE slope (✱3✱) has been changed since shipment from the factory, the indication may not be '6' or '7'.

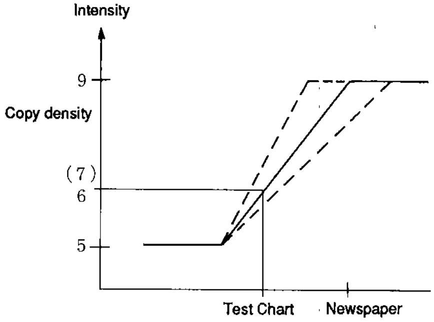


Figure 3-330

4. Checking the Photointerrupters

The machine enables checks on its photointerrupters using its service mode in addition to conventional meter.

① Using a Meter

1) Set the meter to the 12VDC range.
2) Connect the — probe of the meter to J106-4 (GND) on the DC controller.
3) Make checks as indicated: 1, 5 V; 0, 0 V.

② Using the Service Mode

1) Open the front door, and insert the door switch actuator into the door switch.
2) Press the service switch.
3) Press the $\boxed{*}$, $\boxed{2}$, and then $\boxed{*}$ keys.
4) Press the up key or the down key to enter the addresses shown, and check the respective photointerrupters.

Notation	Q2	Q3	Q4
Name	Delivery sensor ($\overline{\text{PDP3}}$)	Lower feeder inlet paper sensor ($\overline{\text{PDP4}}$)	Manual feed sensor ($\overline{\text{MFPD}}$)
+ probe	J110-A4	J111-B2	J109-A7
Service mode	PA0-5	PA0-6	PA0-0
Checks (normal if as described)	Open the delivery assembly while in standby. • when detection lever is blocking Q2, '1'. • otherwise, '0'.	Open the delivery assembly while in standby, and put copy paper in the lower feeder assembly. • when copy paper is present, '0'. • otherwise, '1'.	Move the detection lever up and down with a finger while in standby. • when lever is down, '0'. • when lever is up, '1'.
Notation	Q5	Q6	Q7
Name	No. 1 pre-registration paper sensor (PDP1)	Horizontal paper edge sensor (PDP2)	Lens home position sensor (LHP)
+ probe	J104-B5	J104-B2	J114-B13
Service mode	PA0-4	SPC-7	SPC-6
Checks (normal if as described)	• when Q5 detects copy paper (i.e., detection lever is at Q5), '1'. • otherwise, '0'.	Move the manual feed upper guide up, and put copy paper over Q6. • when copy paper is present, '1'. • otherwise, '0'.	Put copy paper over Q7. • when copy paper is present, '1'. • otherwise, '0'.

Table 3-330A

Notation	Q8	Q9	Q10
Name	Scanner home position sensor (SCHP)	Scanner document leading edge sensor (SCDP)	Cassette 1 paper sensor (C1PD)
+ probe	J114-B5	J114-B2	J109-A1
Service mode	PA1-4	—	PA2-0
Checks (normal if as described)	Move the scanner while in standby. • when scanner is at home position, '1'. • otherwise, '0'.	Move the scanner while in standby. • when scanner is at document leading edge, '0' (5V). • otherwise, '1' (0V).	Move the detection lever up and down with a finger while in standby. • when lever is up, '1'. • when lever is down, '0'.
Notation	Q11	Q12	Q13
Name	Cassette 2 paper sensor (C2PD)	Cassette 1 lifter position sensor (C1LTP)	Cassette 2 lifter position sensor (C2LTP)
+ probe	J109-A2	J109-A3	J109-A4
Service mode	PA2-1	PA1-0	PA1-1
Checks (normal if as described)	Move the detection lever up and down with a finger while in standby. • when lever is up, '1'. • when lever is down, '0'.	Move the pick-up roller up and down with a finger while in standby. • when roller is up, '1'. • when roller is down, '0'.	Move the pick-up roller up and down with a finger while in standby. • when roller is up, '1'. • when roller is down, '0'.
Notation	Q14	Q15	Q16
Name	Lower feeder outlet paper sensor (PDP5)	No. 2 pre-registration paper sensor (PDP6)	No. 3 pre-registration paper sensor (PDP7)
+ probe	J109-A5	J109-A6	J109-A9
Service mode	PA0-7	PA0-3	PA0-1
Checks (normal if as described)	Move the detection lever up and down with a finger while in standby. • when lever is down, '0'. • when lever is up, '1'.	Open the upper right door while in standby, and move the detection lever up and down with a finger. • when lever is up, '1'. • when lever is down, '0'.	Open the upper right door while in standby, and move the detection lever up and down with a finger. • when lever is up, '1'. • when lever is down, '0'.

Table 3-330B

Cassette Feeding Unit

Notation	Q850	Q851	Q852
Name	Cassette 3 paper sensor (C3PD)	Cassette 3 lifter position sensor (C3LTP)	Cassette 4 paper sensor (C4PD)
+ probe	J108-B6	J108-B7	J108-A9
Service mode	PA2-2	PA1-2	PA2-3
Checks (normal if as described)	Move the detection lever up and down with a finger while in standby. • when lever is up, '1'. • when lever is down, '0'.	Move the pick-up roller up and down with a finger while in standby. • when roller is up, '1'. • when roller is down, '0'.	Move the detection lever up and down while in standby. • when lever is up, '1'. • when lever is down, '0'.
Notation	Q853	Q854	
Name	Cassette 4 lifter position sensor (C4LTP)	No. 4 pre-registration paper sensor (PDP8)	
+ probe	J108-A10	J108-A7	
Service mode	PA1-3	PA0-2	
Checks (normal if as described)	Move the pick-up roller up and down with a finger while in standby. • when roller is up, '1'. • when roller is down, '0'.	Open the lower right door while in standby, and move the detection lever up and down with a finger. • when lever is up, '0'. • when lever is down, '1'.	

Table 3-331

Paper Deck Pedestal

Notation	Q751	Q752	Q753
Name	Right deck paper sensor (RPADE)	Left deck paper sensor (LPADE)	Left feeder assembly paper sensor (LPPDE)
+ probe	J704-6	J708-4	J705-2
Service mode	PA2-2	PA2-3	PA0-2
Checks (normal if as described)	Move the detection lever up and down with a finger while in standby. • when lever is up, '1'. • when lever is down, '0'.	Move the detection lever up and down while in standby. • when lever is up, '1'. • when lever is down, '0'.	Open the left feeder assembly while in standby, and put copy paper. • when copy paper is present, '0'. • otherwise, '1'.
Notation	Q754	Q755	
Name	Right lifter sensor (PLPDE)	Left lifter sensor (LLPDE)	
+ probe	J704-3	J708-7	
Service mode	—	—	
Checks (normal if as described)	Move the pick-up roller up and down with a finger while in standby. • when roller is up, '1'. • when roller is down, '0'.	Move the pick-up roller up and down while in standby. • when roller is up, '1'. • when roller is down, '0'.	

Table 3-332

5. Adjusting the RDF Document Stop Position

Go through the following steps to adjust the document stop position for the RDF.

1) Enter the copier's service mode; DOC_STOP (✱3✱).
2) Place an A4/LTR document in the document tray.
3) Enter a setting using the numeric keypad or ENALRGE/REDUCE key so that the document stop position is optimum.

Note:
A higher setting moves the document to the right (pick-up direction) between –7 and +7 in 0.33-mm increments.

4) Press the OK key on the control panel; the document will be picked up and sent to the copyboard glass.
5) Open the RDF, check the position of the document, and close the RDF.
6) Press the OK key; the document will be discharged to the document tray.
7) Repeat steps 3) through 6) until the document stop position is correct.
8) Press the RESET key to exit the service mode.

VIII. SELF DIAGNOSIS

The machine is equipped with a self diagnostic mechanism that checks the condition of the machine (sensors in particular). The mechanism is initiated by the microprocessor on the DC controller PCB and, if an error is identified, displays a corresponding error code.

<Copier self diagnosis>

Code	Cause	Description
E000	• Thermistor (TH1; contact) • SSR (faulty) • DC controller (faulty)	The output of TH1 does not reach 50°C within 90 sec after the machine has been switched ON; see Notes i and ii.
E001	• Thermistor (TH1; short circuit) • SSR (faulty) • DC controller PCB (faulty)	The output of TH1 exceeds 223°C; see Notes i. and ii.
E002	• Thermistor (TH1; contact) • Heater (H1; open circuit) • Thermoswitch (TS1; activation) • SSR (faulty) • DC controller (faulty)	The output of TH1 does not reach 190°C within 6 min after it has reached 50°C; see Notes i. and ii.
E003		The output of TH1 drops below 40°C after wait-up; see Notes i and ii.
E004	• SSR (short circuit; error) • Heater (H1; open circuit) • Thermoswitch (TS1; activation)	• A short circuit is detected in SSR during the heater OFF period immediately after power-on. • A short circuit is detected in SSR during the heater OFF period at 200°C or more.
E010	• Main motor (M1; faulty) • Motor driver PCB (faulty) • DC controller PCB (faulty)	The PLL lock signal is not received for 0.5 sec after the main motor drive signal has been generated.
E020	• Hopper motor (M10; faulty) • Developing assembly toner sensor (Q17; faulty) • Hopper toner sensor (Q18; faulty) • DC controller PCB (faulty)	• The black toner supply signal ($\overline{\text{BTSP}}$) and the black toner out signal ($\overline{\text{BTEP}}$) remain '1' for 3 hr during copying operation (accumulative). • The black toner supply signal ($\overline{\text{BTSP}}$) remains '0' and the black toner out signal ($\overline{\text{BTEP}}$) remains '1' for about 20 sec during copying operation (accumulative).
E030	• Counter (CNT1; open circuit) • DC controller PCB (faulty)	Checks are made immediately before the counter goes ON and OFF: normal if '0' when ON; normal of '1' when OFF.

Table 3-333A

Code	Cause	Description
keys on control panel locked (E202); see Note iii.	• Scanner home position sensor (Q8; faulty) • Scanner motor (M2; faulty) • Motor driver PCB (faulty) • DC controller PCB (faulty)	The scanner does not return to the home position within 5 sec after it has started to move.
E203	• Scanner motor (M2; faulty) • Scanner cable (faulty) • Motor driver PCB (faulty) • DC controller PCB (faulty)	The PLL lock signal is not received from the motor driver for 0.4 sec after the scanner motor drive signal has been generated.
keys on control panel locked (E204); see Note iii.	• Scanner document leading edge sensor (Q9; faulty) • Motor driver PCB (faulty) • DC controller PCB (faulty)	The scanner document leading edge signal is not generated within 0.5 sec after the scanner has started forward.
E210	• Lens home positions sensor (Q7; faulty) • Lens motor (M3; faulty) • Lens cable (faulty) • DC controller PCB (faulty)	• The lens home position signal (LHP) is not generated within a specific period of time after the machine has been switched ON. • The lens home position signal (LHP) remains ON more than a specific period of time.
E240	• DC controller PCB (faulty)	An error is found in communication between the main CPU (Q223) and the sub CPU (Q221).
E710	• DC controller PCB (faulty)	The IPC (Q104) cannot be initialized at power-on.
E711	• DC controller PCB (faulty)	Within 1 sec, 2 or more IPC communication errors have been detected.
E800	• Power-off circuit (relay drive circuit for SW1; faulty)	An open circuit is detected.

Table 3-333B

Note:

i. When an error has occurred, the machine may be reset by switching it OFF once and then ON; this, however, does not apply to E000, E0001, E002, E003, or E004.
To reset the machine, execute 'ERROR' in the service mode ($\boxed{*}\boxed{4}\boxed{*}$); this consideration is made to prevent the user from carelessly resetting the machine without realizing possible faults in the thermistor, causing the fixing rollers to overheat and become damaged.

ii. E000, E001, E002, E003, E004, and E020 are displayed upon detection of respective errors without delay; the machine is shut OFF.

iii. E202 and E204 can be checked in the service mode ($\boxed{*}\boxed{1}\boxed{*}$).

<RDF>

Code	Cause	Description
E401	• Pick-up motor (faulty)	The shaft of the pick-up motor (m1) is equipped with a flag which blocks the pick-up roller sensor (S5); S5 does not go ON/OFF twice or nor within 1 sec.
E402	• Belt motor (faulty)	The number of belt clock pulses for 200 ms is below the specified value.
E403	• Feeder motor (faulty)	The number of belt clock pulses for 200 ms is below the specified value.
E411	• Document sensor faulty	The output of the sensor is 2.3V or more in the absence of paper.
E712	• DC controller PCB (faulty) • DF controller PCB (faulty) • DF cable (faulty)	The communication error with the RDF cannot be cleared.

Table 3-333C

Note
When the machine is switched OFF and then ON in response to an error in the 400's, self diagnosis will be executed once again, and the message 'FEEDER AT FAULT' will be indicated; copies may still be made if the feeder is not used.

<Sorter/Stapler Sorter/Stapler Folder>

Code	Description	
	Stapler Sorter/Sorter	Stapler Folder
E500	A communication error has occurred in the communication with the copier.	A communication error has occurred in the communication with the copier.
E510	The clock signal from the feed motor is not received for 250 ms or more.	The clock signal is not received for 500 ms or more while the feeder motor drive signal is generated.
E512	—	The clock signal is not received for 500 ms or more while the feeder motor drive signal is generated.
E514	—	The clock signal is not received for 500 ms or more while the motor drive signal is generated.
E520	—	• The upper limit sensor (MS6) does not go ON after the motor drive signal has been generated. • The clock signal is not received for 500 ms or more while the motor drive signal is generated.
E530	The home position sensor (PI7) does not go OFF after the motor drive signal has been generated for 2560 pulses.	The stapler guide plate home position sensor (PI1) does not go OFF within 4 sec after the motor drive signal has been generate.
E531	• The stapler unti swing sensor (MS9) does not go ON within 500 ms after the motor drive signal has been generated. • The sensor does not go OFF within 1000 ms after it has gone ON.	• The stapling home position sensor (MS4) does not go OFF within 300 ms after the motor drive signal has been generated. • The sensor does not go ON within 800 ms after the reversal signals has been generated in response to a staple jam.
E535	—	• The swing unit home position sensor (PI7) does not go OFF within 300 ms after the motor drive signal has been generated. • The sensor does not go ON within 1 sec after it has gone OFF.

Table 3-333D

Code	Description	
	Stapler Sorter/Sorter	Stapler Folder
E540	• The lead cam home position sensor (PI 2) does not go OFF within 2000 ms after the motor drive signal has been generated. • The sensor does not go ON within 2000 ms after it has gone OFF.	• The stack tray shift width sensor (MS8) does not go OFF within 500 ms after the motor drive signal has been generated. • The sensor does not go ON within 1 sec after it has gone ON.
E541	The lead cam HOME position sensor does not go "ON" with 1.0 second after the lead cam position sensor goes "OFF"	—

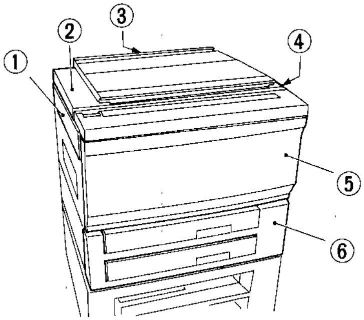
Table 3-333E

Note

When the machine is switched OFF and then ON in response to an error in the 500's except 'E500', self diagnosis will be executed once again, and the message 'Sorter at Fault' will be indicated; copies may still be made by detaching the sorter (sliding it to the left holding the grip.

I. EXTERNAL

A. External Covers



① Left cover (7)	④ Right cover (7)
② Upper cover (3)	⑤ Front door
③ Rear cover (8)	⑥ Lower front cover (3)

Figure 4-100

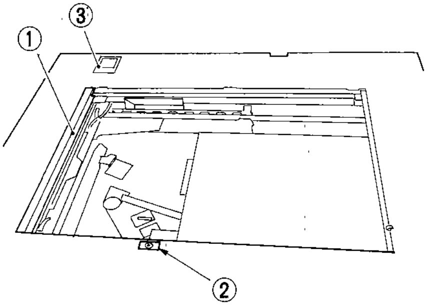
Note:
The number in parentheses indicates the number of mounting screws used.

Detach the covers as necessary for cleaning, inspecting, or repairing the inside of the machine.

Covers that can be detached by mere removal of the screws are left out of the procedure.

1. Upper Cover

1) Detach the copyboard cover.
2) Detach the control panel; see p. 4-3.
3) Detach the rear cover.
4) Remove the two mounting screws, and detach the copyboard glass retainer (right).
5) Detach the copyboard glass.
6) Detach the white plate.
7) Remove the mounting screw, and detach the magnet plate.
8) Pick the bush (left, right), and push it up to detach.

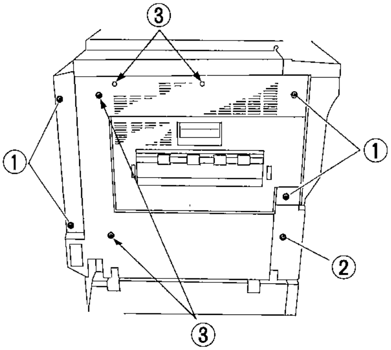


① White plate	③ Bush
② Magnet plate	

Figure 4-101

2. Left Cover

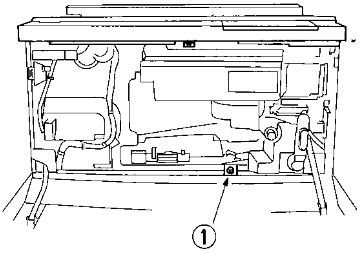
1) Slide out the cassette from the copier.
2) Detach the copyboard.
3) Remove the nine screws shown in Figure 4-102.



① Screws (M4×8)	③ Stepped screw(M4)
② Screws (M4×10)	

Figure 4-102

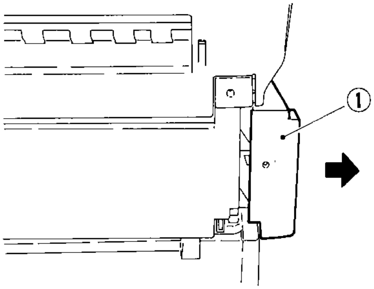
4) Open the front door, and remove the screw.



① Screw

Figure 4-103

5) Pull the lower front cover to the front.



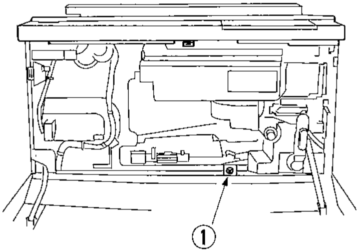
① Lower front cover

Figure 4-104

6) Open the front cover and the delivery assembly; then, detach the left cover.

3. Right Cover

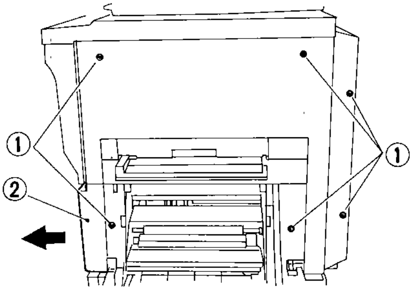
1) Slide out the cassette from the copier.
2) Remove the six screws shown in Figure 4-106
3) Open the front door, and remove the screw.



① Screw

Figure 4-105

4) Pull the lower front cover to the front; then, detach the right cover.

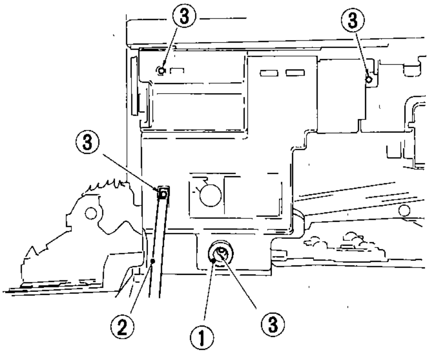


① Screws ② Lower front cover

Figure 4-106

4. Detaching the Inside Left Cover

1) Open the front door and the delivery assembly.
2) Open the hopper.
3) Remove the screw, and detach the fixing assembly knob.
4) Remove the screw, and detach the door tape from the front door.
5) Remove the four screws, and detach the inside left cover.



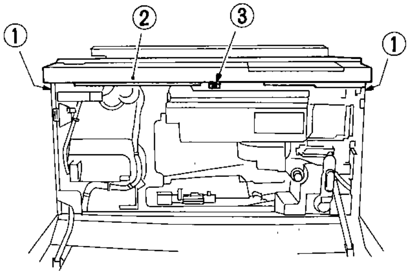
① Fixing assembly knob ③ Screws
② Door tape

Figure 4-107

B. Control Panel

1. Detaching the Control Panel

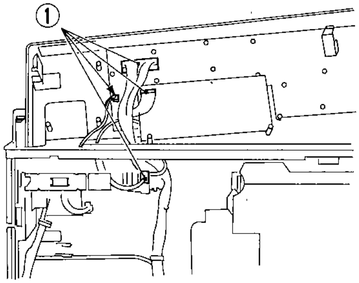
1) Open the front door.
2) Remove the four screws, and detach the inside left cover.
3) Remove the two screws; while disengaging the hook at the center, lift the control panel to the front to detach.



① Screws ③ Hook
② Control panel

Figure 4-108

4) Disconnect the four connectors, and detach the control panel.



① Connectors

Figure 4-109

C. Copyboard Cover Assembly

1. Replacing the Copyboard Sheet

The copyboard sheet is attached to the copyboard retaining plate using adhesive tape (two-sided); pick its corner and simply peel it off.

After attaching the sheet, press the copyboard retaining plate against the copyboard gently.

D. Fans

1. Outline

The machine is equipped with four fan motors to prevent heating by circulating the air inside the machine.

Each of these fans serves the following function:

scanner cooling fan (FM1):	cools the scanner.
heat exhaust fan (FM2):	discharges heat from the fixing assembly.
feeder fan (FM3):	retains the copy paper on the feeder bed.
power supply cooling fan (FM4):	cools the DC power supply PCB.

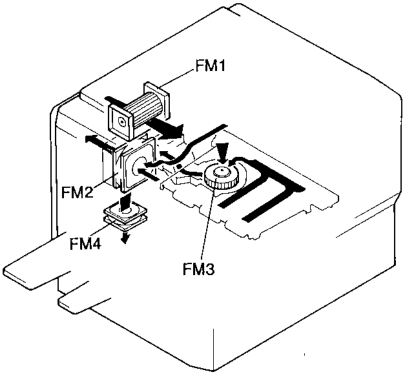
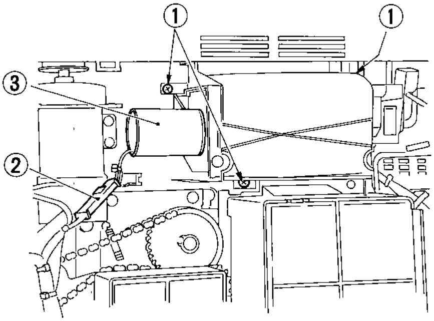


Figure 4-110

2. Detaching the Scanner Cooling Fan (FM1)

1) Detach the rear cover.
2) Remove the three screws, and disconnect the connector; then, detach the scanner cooling fan.

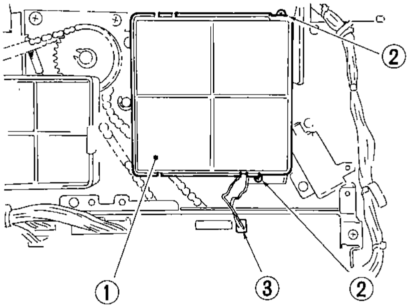


① Screws ③ Scanner cooling fan
② Connector

Figure 4-111

3. Detaching the Heat Exhaust Fan (FM2) Unit

1) Detach the rear cover.
2) Remove the two screws, and disconnect the connector (J120); then, detach the heat exhaust fan unit.

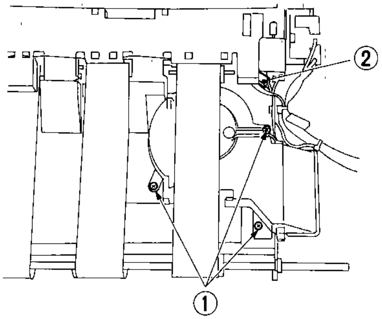


① Ozone filter ③ Connector
② Screws

Figure 4-112

4. Detaching the Feeder Fan (FM3)

1) Detach the feeder assembly; see p. 4-21.
2) Turn over the feeder assembly.
3) Remove the three screws, and disconnect the connector; then, detach the feeder fan.

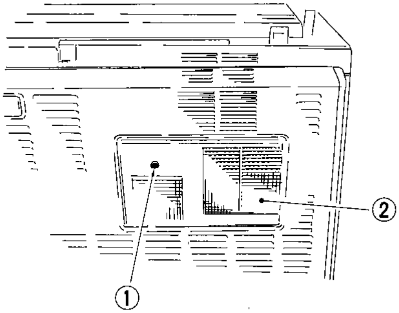


① Screws ② Connector

Figure 4-113

5. Detaching the Ozone Filter

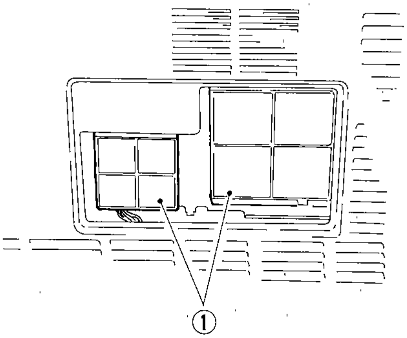
1) Remove the screw, and detach the blanking plate.



① Screw ② Blanking plate

Figure 4-114

2) Detach the ozone filter.



① Ozone filters

Figure 4-115

II. DRIVE SYSTEM

A. Lens Drive Assembly

1. Outline

The lens drive assembly moves the zoom lens using the rotation of the lens motor (M3) and the lens drive cable.

2. Disassembly and Assembly

Note:
The lens unit is adjusted at the factory using special tools and with high precision. Do not detach parts that are not listed in the Parts Catalog.

a. Routing the Lens Drive Cable

1) Route the lens drive wire as shown in Figure 4-200; i.e., in the order given.

Note:
Wind the cable four times around pulley ③, then route the cable to pulley ④. Wind the cable on pulley ③ clockwise, so that the cable will be at the top of pulley ③.

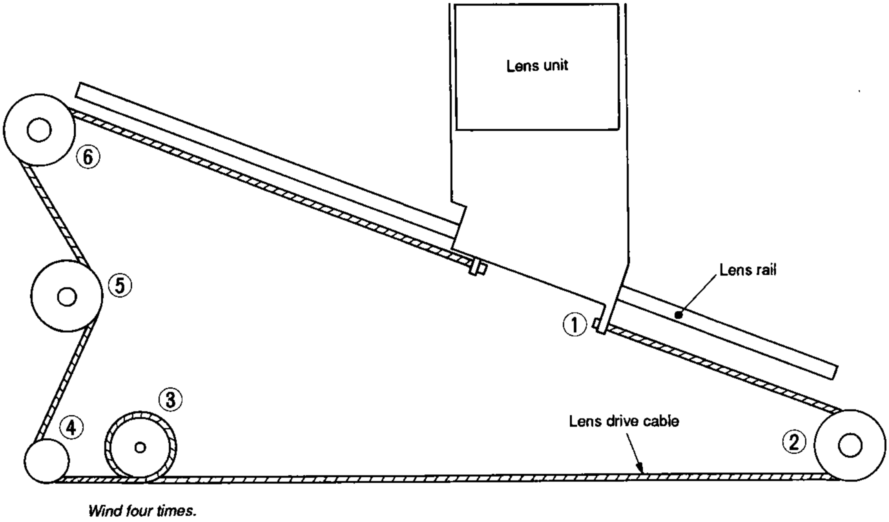
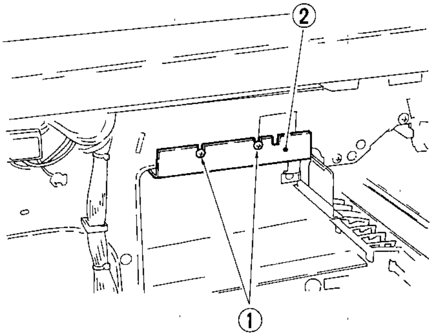


Figure 4-200

b. Detaching the Lens Motor

1) Open the front door and the delivery assembly.
2) Detach the drum unit.
3) Remove the screw, and detach the fixing assembly knob.
4) Detach the inside left cover and the inside center cover; see p.4-3.
5) Remove the two screws, and detach the document size sensor PCB cover.

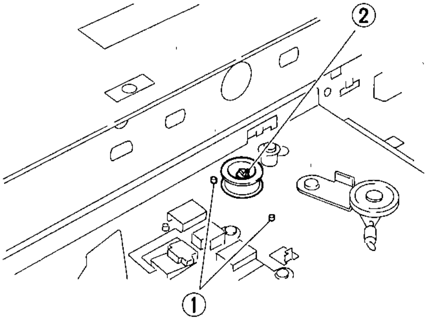


① Screws
② Document size sensor PCB cover

Figure 4-201

6) Detach the lens mount cover.
7) Detach the lens drive cable.
8) Remove the two screws shown in Figure 4-202 from below the lens mount.

Note:
Take care not to drop the screws and the lens motor.



① Screws ② Lens motor

Figure 4-202

9) Disconnect J53 (5-pin), and detach the lens motor.

3. Lubrication

Apply lubricant (CK-0451) evenly along the lens rail.

B. Scanner Drive Assembly

1. Routing the Scanner Cable

1) Loosen the two fixing screws shown in Figure 4-203.
2) Turn the adjusting screw to move the pulley ⑥ to the right.
3) Move the No. 1 mirror mount and the No. 2 mirror mount all the way to the front.
4) Route the cable as shown in Figure 4-203; i.e., in the order given.
   - at ②, at the top of the pulley.
   - at ⑤, from bottom to top clockwise; four times.
   - at ③, ④, and ⑦, at the bottom of the pulley.
5) Adjust the tension of the cable.
6) Adjust the position of the mirror.

2. Adjusting the Tension of the Mirror Drive Cable

To adjust the tension of the scanner cable, loosen the fixing screw and turn the adjusting screw to adjust the position of the pulley ⑥.

Move the No. 1 mirror mount toward the home position, and measure the tension between ① and ② of the mirror drive cable shown in Figure 4-203 using a spring gauge; make adjustments so that the reading of the spring gauge is 300 to 400 g when the cable is pulled to the front 10 mm.

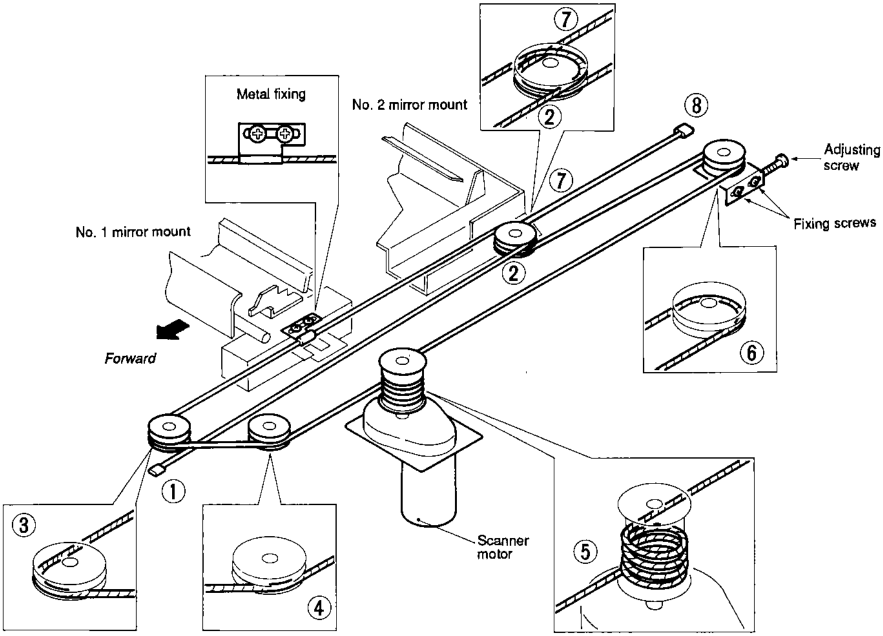

⑦
Metal fixing
No. 2 mirror mount
②
⑧
⑦
Adjusting screw
Fixing screws
No. 1 mirror mount
②
Forward
⑥
①
③
④
Scanner motor
⑤

Figure 4-203

3. Adjusting the Position of the Mirrors (optical length between No. 1 and No. 2 mirrors)

Adjust the position of the mirror after routing the mirror drive cable.

To adjust the position, reposition the metal fixing of the No. 1 mirror mount.

Note:
The cable tends to stretch as copies are made, requiring adjustment.

1) Draw lines 1 cm from both sides of a sheet of copy paper (A4 or A3).

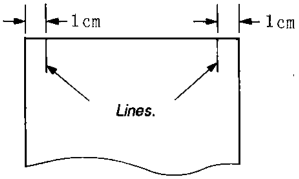


Figure 4-204

2) Place the sheet on the copyboard, and make a copy; call the copy *sheet* A.
3) Place a blank sheet of paper on the copyboard, and feed the original sheet in the manual mode; call the sheet *sheet* B.
- ■ When the original sheet has gone through the machine, it is contracted by heat.
4) Put sheet A and sheet B together, and reposition the No. 1 mirror mount so that distances x and y (Figure 4-205) will be identical.

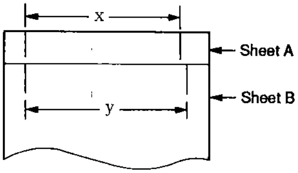


Figure 4-205

x=y: correct
x>y: move the No. 1 mirror mount in the direction of a.
x<y: move the No. 1 mirror mount in the direction of b.

If the distance between the No. 1 mirror and the No. 2 mirror is short, the copy image will be enlarged; if long, reduced.

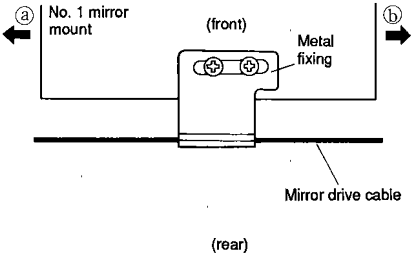


Figure 4-206 (top view)

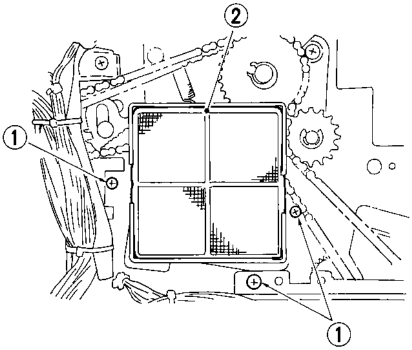
4. Lubrication

Clean the scanner rail, and apply lubricant (CK-0451)evenly along it.

C. Main Motor Assembly

1. Detaching the main motor assembly.

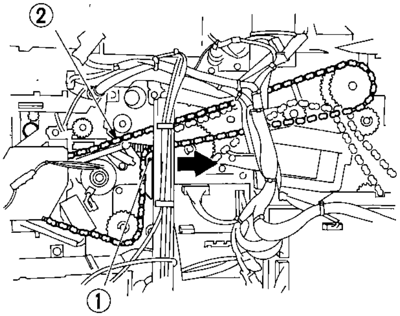
1) Remove the eight screws, and detach the rear cover.
2) Remove the two screws, and disconnect the connector; then, detach the heat exhaust fan unit.
3) Remove the three screws, and detach the feeder fan duct.



① Screws ② Duct

Figure 4-207

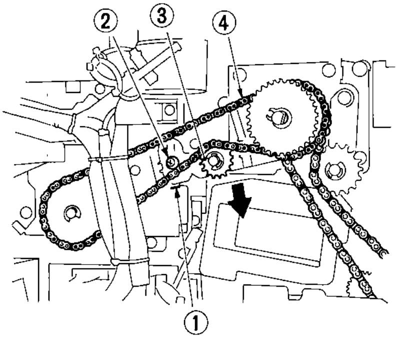
4) Push sprocket A in the direction of the arrow, and detach the pick-up chain from the sprocket of the main motor assembly.



① Sprocket A ② Pick-up chain

Figure 4-208

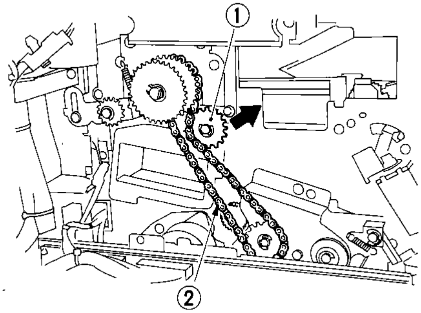
5) Mark the position of the sprocket support plate using a scriber, and remove screw B.
6) Push sprocket B into the direction of the arrow, and detach the drive chain from the sprocket of the main motor assembly.



① Mark ③ Sprocket B
② Screw B ④ Drum drive chain

Figure 4-209

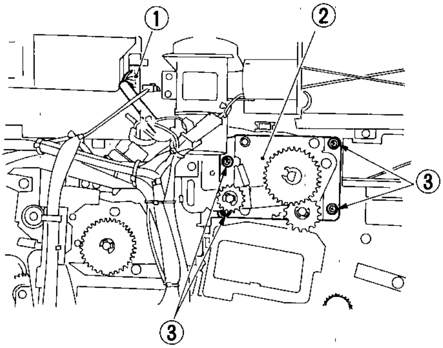
7) Push sprocket C into the direction of the arrow, and detach the fixing assembly drive chain from the sprocket of the main motor assembly.



① Sprocket C ② Fixing assembly drive chain

Figure 4-210

8) Disconnect the connector, and remove four screws; then, detach the main motor assembly.



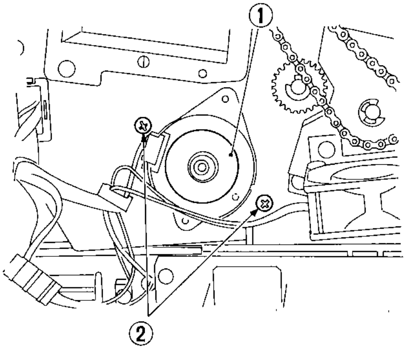
① Connector (J814) ③ Screws
② Main motor assembly

Figure 4-211

D. Lower Feeder Drive Assembly

1. Detaching the Lower Feeder Drive Assembly

1) Detach the rear cover.
2) Disconnect the connectors, and remove the two screws; then, detach the DC controller together with its mount.
3) Remove the two screws, and detach the lower feeder drive assembly.



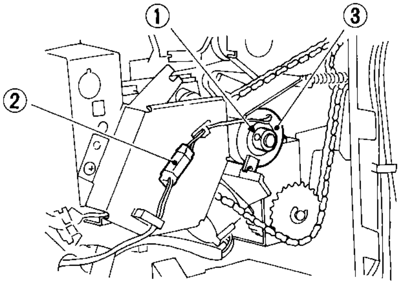
① Lower feeder drive assembly
② Screws

Figure 4-212

E. No. 1 Registration Roller Drive Assembly

1. Detaching the No. 1 Registration Roller Clutch, Registration Drive Assembly, and Horizontal Registration Drive Assembly

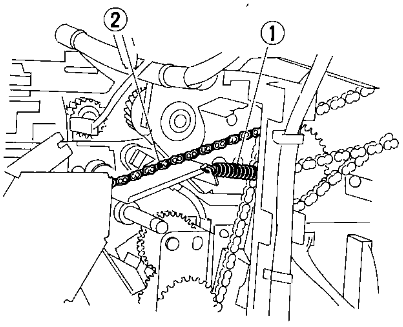
1) Detach the rear cover.
2) Loosen the set screw, and disconnect J30 (2-pin); then, detach the No. 1 registration roller clutch (CL1).



① Set screw
② Connector
③ No. 1 registration roller clutch

Figure 4-213

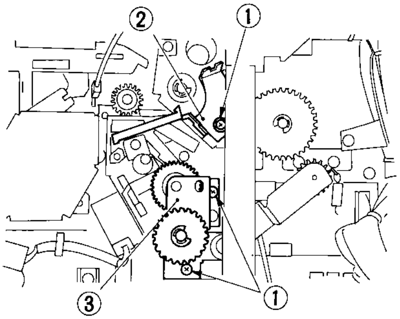
3) Detach the spring, and detach the chain from the sprocket.



① Spring
② Chain

Figure 4-214

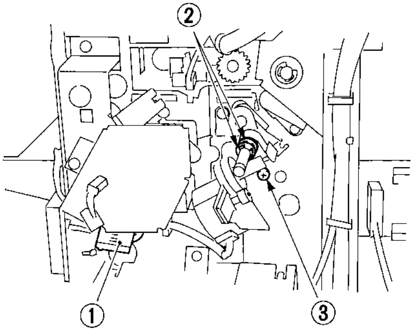
4) Remove the screw, and detach the chain guide.
5) Remove the two screws, and detach the registration drive assembly.



① Screws
② Chain guide
③ Registration drive assembly

Figure 4-215

6) Disconnect J51 (6-pin), and remove the two E-rings and screw; then, detach the horizontal registration drive assembly.



① Connector (J51)
② E-rings
③ Screw

Figure 4-216

Note:
Insert section A (Figure 4-217) of the horizontal drive assembly into the rear of the bushing, and screw it in place.

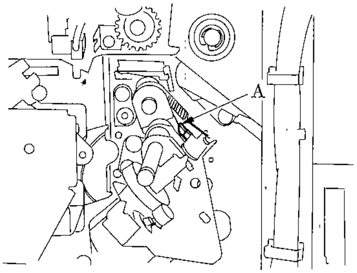
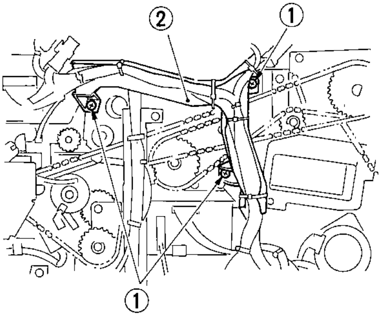


Figure 4-217

2. Detaching the Drum Drive Unit

1) Open the front door.
2) Detach the drum unit; see p. 4-36.
3) Detach the drum separation claw unit.
4) Detach the rear cover and the right cover.
5) Detach the blank exposure lamp; see p. 4-33.
6) Detach the heat exhaust fan (FM2) and the feeder fan duct; see p. 4-4.
7) Detach the DC controller together with its mount.
8) Remove the three screws, and detach the connector assembly for the RDF.
9) Disconnect the two connectors (J812, J811) on the motor driver PCB and the following five connectors.
    - for the RDF (2 connectors; 4-pin)
    - for the primary corona cleaning motor (1 connector; 6-pin)
    - for the pre-exposure lamp (1 connector; 2-pin)
    - for the scanner cooling fan (1 connector; 2-pin)

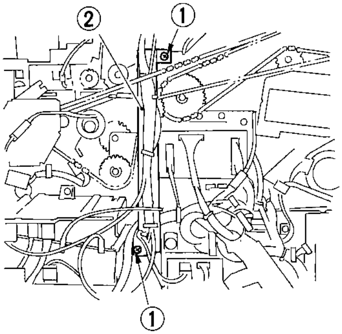
10) Remove the three screws, and detach the cable guide (white).



① Screws ② Cable guide

Figure 4-218

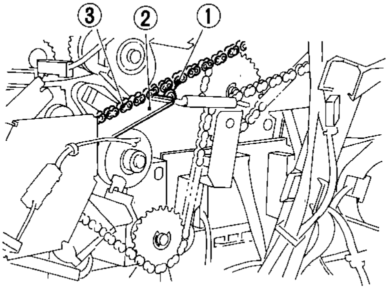
11) Remove the two screws, and detach the cable guide (black).



① Screws ② Cable guide

Figure 4-219

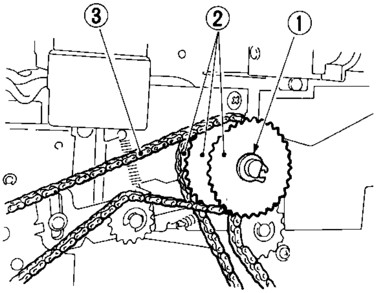
12) Detach the pick-up drive chain and the chain guide.



① Screw ③ Pick-up drive chain
② Chain guide

Figure 4-220

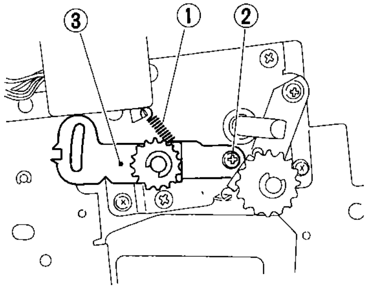
13) Remove the grip ring, and detach the three main motor gears and the chain.



① Grip ring ③ Chain
② Gears

Figure 4-221

14) Remove the spring and the stepped screw, and detach the tension plate of the drum drive chain.

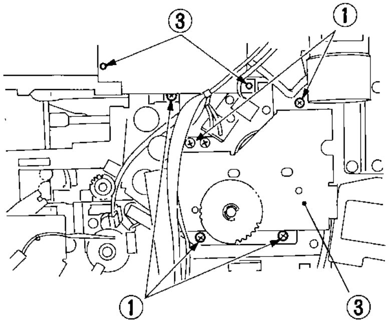


① Spring ③ Tension plate
② Stepped screw

Figure 4-222

15) Remove the two PCB supports from below the motor driver PCB.

16) Remove the five screws, and detach the drum drive unit.



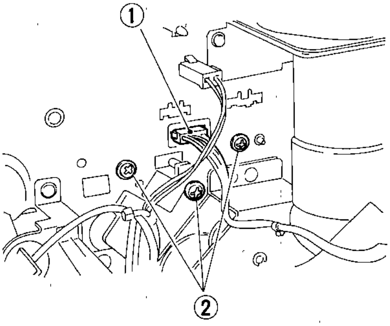
① Screws ③ PCB support
② Drum drive unit

Figure 4-223

F. Primary Corona Wire Cleaning Motor

1. Detaching the Primary Corona Wire Cleaning Motor Unit

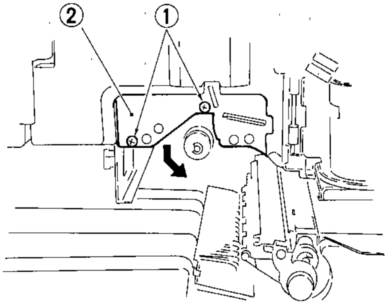
1) Open the front door, and detach the developing assembly; see p. 4-46.
2) Detach the pre-transfer corona assembly.
3) Detach the drum unit.
4) Detach the drum separation claw unit.
5) Detach the rear cover.
6) Detach the motor driver PCB.
7) Detach the pre-exposure lamp assembly; see p. 4-33.
8) Disconnect the connector and remove the three screws from the primary corona wire cleaning motor assembly.



① Connector ② Screws

Figure 4-224

9) Remove the two screws, and detach the primary corona wire cleaning motor assembly by lowering it to the front.



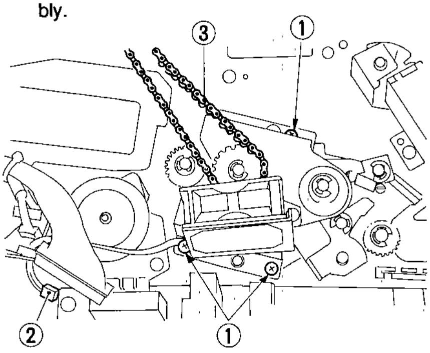
① Screws
② Primary corona wire cleaning motor assembly

Figure 4-225

G. Fixing Drive Assembly

1. Detaching the Fixing Drive Assembly

1) Detach the fixing assembly.
2) Detach the rear cover.
3) Remove the two screws, and disconnect the connectors; then, detach the DC controller together with its mount.
4) Detach the fixing drive chain.
5) Remove the three screws, and disconnect the connector; then, detach the fixing drive assembly.



① Screws ③ Fixing drive chain
② Connector

Figure 4-226

III. FEEDER SYSTEM

A. Pick-Up Assembly (1st and 2nd)

1. Construction

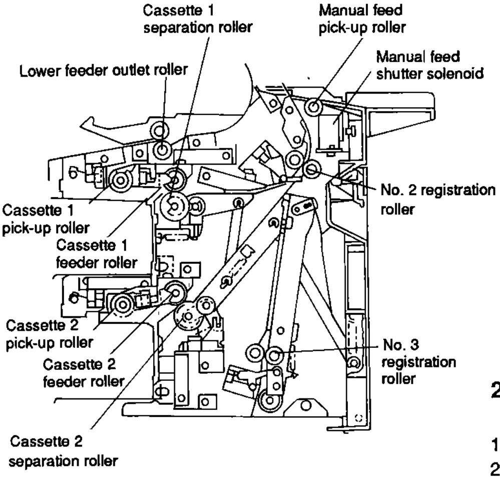

Cassette 1 separation roller
Manual feed pick-up roller
Manual feed shutter solenoid
Lower feeder outlet roller
No. 2 registration roller
Cassette 1 pick-up roller
Cassette 1 feeder roller
Cassette 2 pick-up roller
No. 3 registration roller
Cassette 2 feeder roller
Cassette 2 separation roller

Figure 4-300 Cross Section

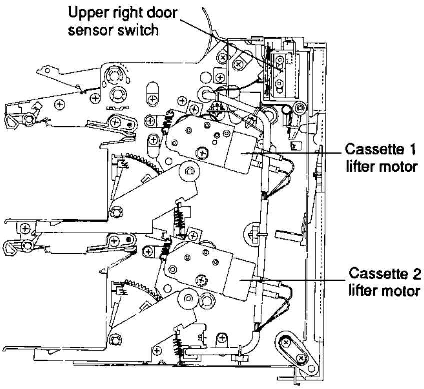

Upper right door sensor switch
Cassette 1 lifter motor
Cassette 2 lifter motor

Figure 4-301 Front View

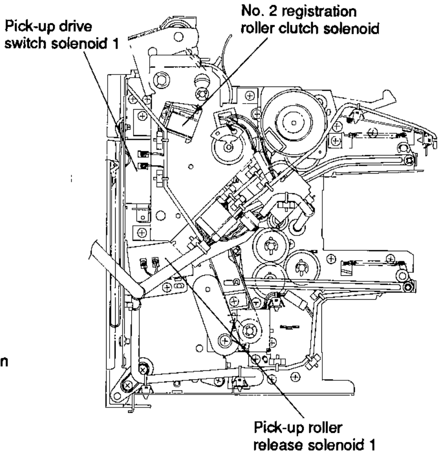

Pick-up drive switch solenoid 1
No. 2 registration roller clutch solenoid
Pick-up roller release solenoid 1

Figure 4-302 Rear View

2. Detaching the 1st/2nd Pick-Up Assembly

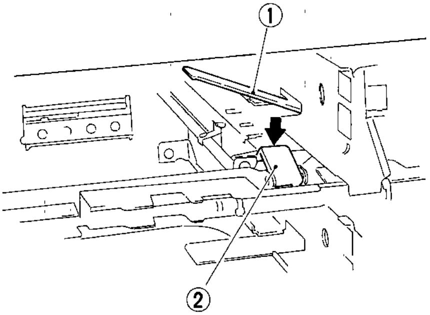
1) Detach the drum unit.
2) Detach the right cover.
3) Slide out the 1st and 2nd cassettes.

Note:

Do not try to detach the pick-up assemblies with the cassettes inside the machine; otherwise, the lifters will become trapped, preventing detachment of the cassettes and the pick-up assemblies.

4) Remove the two screws, and detach the front lower cover.
5) Remove the four screws, and detach the rear cover.
6) Disconnect J109 form the DC controller PCB.

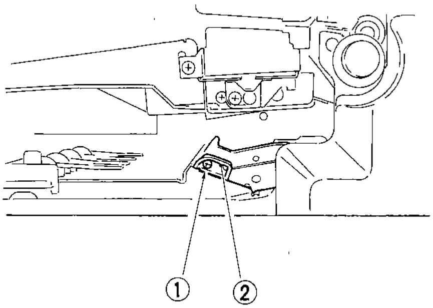
7) Shift the lifter release arm into the direction of the arrow, and move the lifter down.



① Lifter ② Lifter release arm

Figure 4-303

8) Open the front door, and remove the screw; then, detach the lower feeder outlet grip assembly.

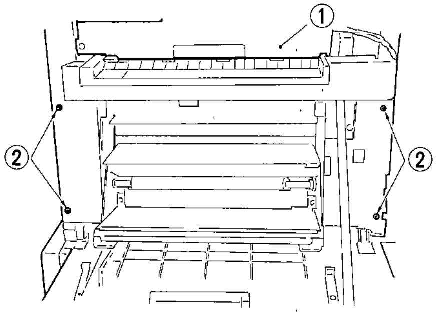


① Grip ② Screw

Figure 4-304

9) Open the upper right door, and remove the four screws.

10) Keep the manual feed tray cover up, and slide the pick-up assembly to the front to detach.

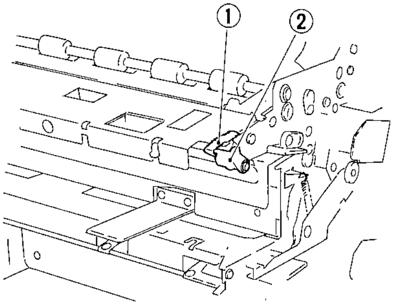


① Manual feed tray cover ② Screws (4 pcs.)

Figure 4-305

3. Detaching the 1st and 2nd Pick-Up Rollers

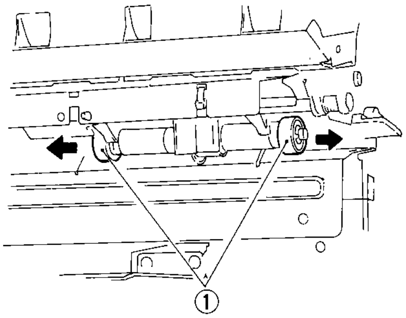
1) Detach the pick-up assembly from the machine.
2) Lift the pick-up roller release arm, and tape it in place.



① Tape ② Pick-up roller release arm

Figure 4-306

3) Pull out the pick-up rollers in the direction of the arrow.



① Pick-up rollers

Figure 4-307

Note:
The pick-up roller has its own orientation; attach it as shown in Figure 4-308.

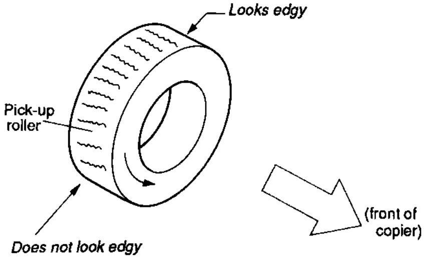
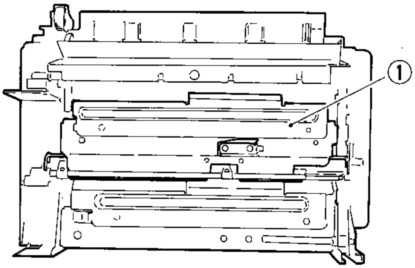


Figure 4-308

4. Detaching the 1st and 2nd Separation/Feeder Rollers

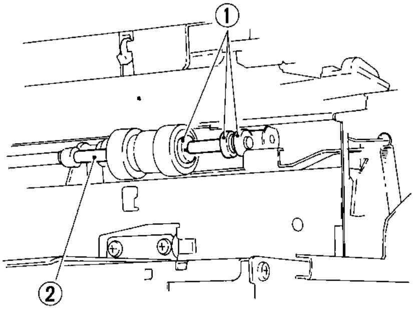
1) Detach the pick-up assembly from the machine.
2) Remove the screw, and detach the pick-up guide plate.



① Pick-up guide plate

Figure 4-309

3) Remove the three stop rings using a finger or calipers, and detach the separation roller shaft and the separation roller.



① Stop rings ② Separation roller shaft

Figure 4-310

Note:
The separation roller has its own orientation, i.e., direction of rotation. Attach the separation roller shaft to the pick-up assembly so that the arrow shown in Figure 4-311 points to the rear of the machine.

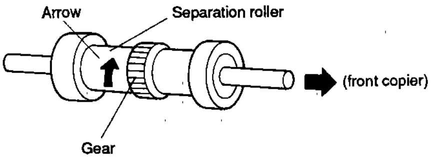
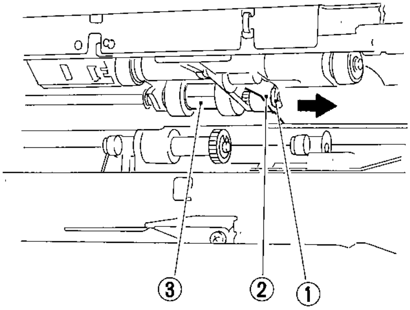


Figure 4-311

4) Remove the stop ring, and detach the feeder roller while pushing the arm into the direction of the arrow.



① Stop ring
② Arm
③ Feeder roller

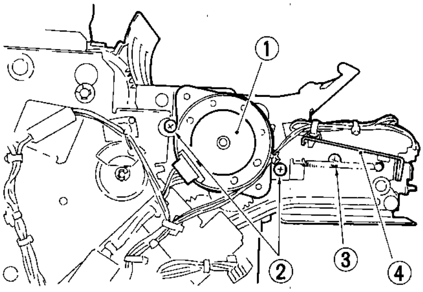
Figure 4-312

5. Detaching the Feeder Outlet Roller

1) Detach the pick-up assembly from the machine.
2) Remove the two screws; and detach the lower feeder outlet motor, the gear, and the pin.

Note:
Take care not to drop the gear and the pin at the back.

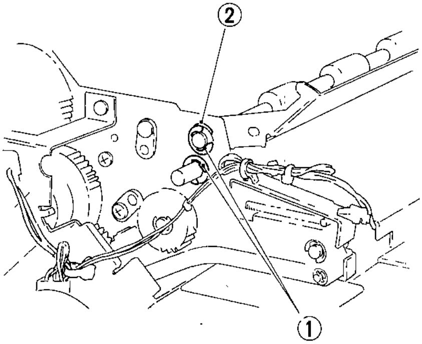
3) Remove the screw that holds the lower feeder outlet guide plate (lower) in place.



① Lower feeder outlet motor
② Screws (2 pcs.)
③ Screw (1 pc.)
④ Lower feeder outlet guide plate (lower)

Figure 4-313

4) Remove the two E-rings.
5) Remove the spring.

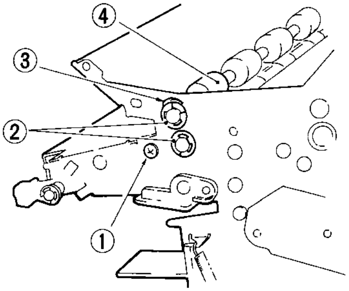


① E-rings (2 pcs.)
② Spring

Figure 4-314

Note:
When attaching the spring, make sure its hook is on the inside of the pick-up assembly.

6) Remove the screw that holds the lower feeder outlet guide plate (lower) in place.
7) Remove the two E-rings and the spring, and detach the lower feeder outlet rollers (upper, lower).



① Screw (1 pc.)
② E-rings (2 pcs.)
③ Spring
④ Lower feeder outlet roller (upper)

Figure 4-315

Note:
When attaching the spring, make sure its hook is on the inside of the pick-up assembly.

6. Attaching the Manual Feed Shutter Assembly

① Make sure that the front end of the manual shutter sticks out from the rib face by 3 mm.
② Make sure that the front end of the manual shutter is below the reference face of the manual feed guide by 1 mm when the manual feed shutter solenoid is OFF.

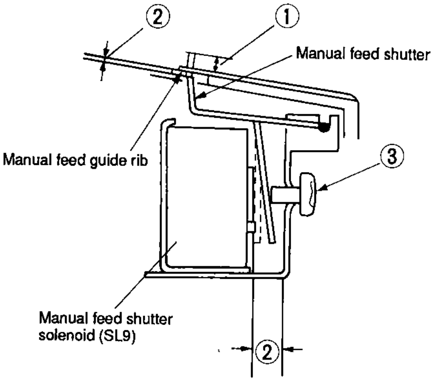

②
①
Manual feed shutter
Manual feed guide rib
③
Manual feed shutter solenoid (SL9)
②

Figure 4-316

③ Adjusting screw*

* Access through the hole shown in Figure 4-317.

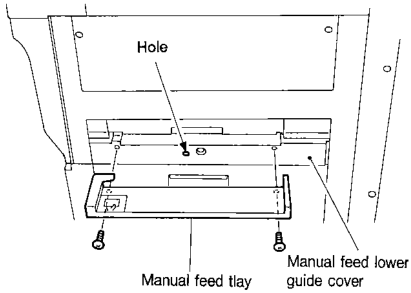

Hole
Manual feed tlay
Manual feed lower guide cover

Figure 4-317

Note:
The manual feed lower guide cover is adjusted at the factory for horizontal registration; try not to detach it.

7. Attaching Pick-Up Drive Switch Solenoid 1 (SL6)

Make sure that the stroke (a) of pick-up drive switch solenoid 1 (SL6) is 0.2 mm or less when the stop plate and the outside of the bushing are in contact with each other with section A held up; see Figure 4-318.

8. Attaching Pick-Up Roller Release Solenoid 1 (SL7)

Make sure that the stroke (b) of pick-up roller release solenoid 1 (SL7) is 0.2 mm or less when the 1st pick-up roller or the 2nd pick-up roller is released; see Figure 4-318.

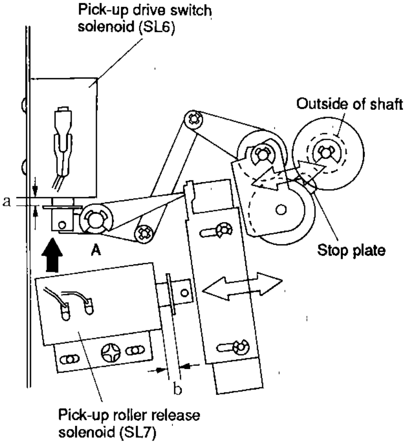
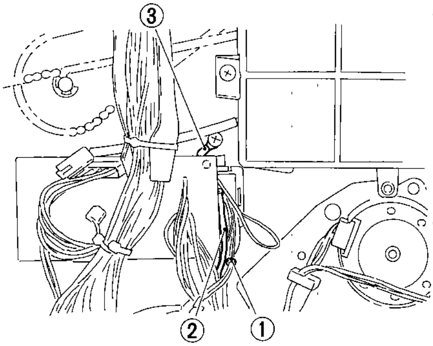

Pick-up drive switch solenoid (SL6)
Outside of shaft
a
A
Stop plate
b
Pick-up roller release solenoid (SL7)

Figure 4-318

B. Feeder Assembly

1. Detaching the Feeder Assembly

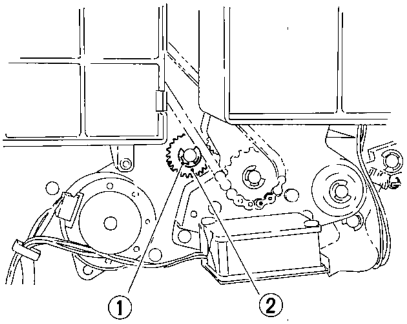
1) Detach the rear cover.
2) Detach the DC controller together with its mount.
3) Disconnect the transfer high-voltage connector (T) and the separation high-voltage connector (S).
4) Detach the grounding cord.
5) Push the transfer/separation high-voltage cord, the grounding cord, and the feeder fan cord into the inside of the machine.



① Feeder fan cord ③ Grounding cord
② High-voltage cable

Figure 4-319

6) Remove the E-ring, and detach the gear (w/ pin).

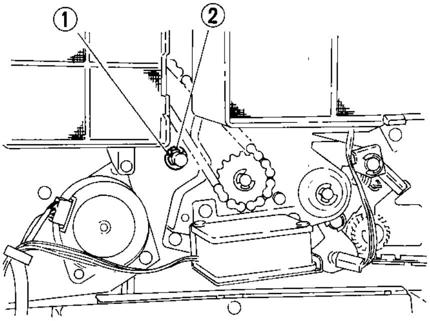


① E-ring ② Gear

Figure 4-320

Note:
Take care not to lose the pin.

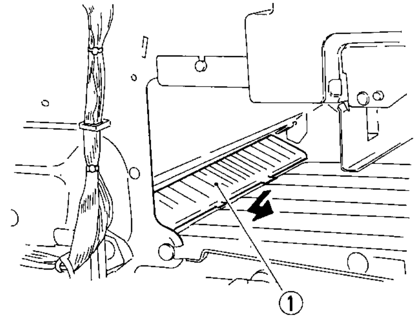
7) Remove the E-ring, and pull out the bushing.



① E-ring ② Bushing

Figure 4-321

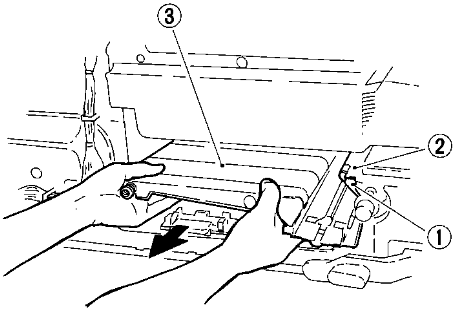
8) Open the front door, and detach the pre-transfer corona assembly.
9) Disengage the developing assembly.
10) Detach the drum unit and the transfer/separation corona assembly.
11) Detach the fixing assembly paper guide.



① Fixing assembly paper guide

Figure 4-322

12) Tape the lower transfer guide assembly to the upper transfer guide assembly.
13) Lift the front of the feeder assembly, and slide it out to the front.

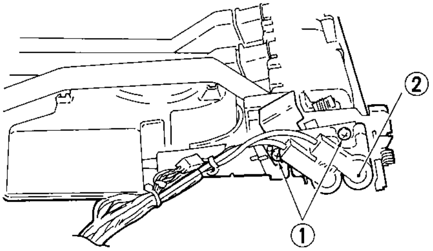


① Lower transfer guide assembly
② Upper transfer guide assembly
③ Feeder assembly

Figure 4-323

2. Detaching the Feeder Belt

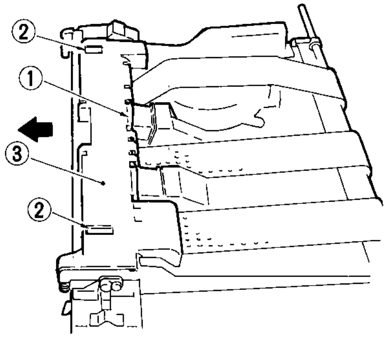
1) Detach the feeder assembly.
2) Remove the screw, and detach the transfer/separation electrode.



① Screws ② Transfer/Separation electrode

Figure 4-324

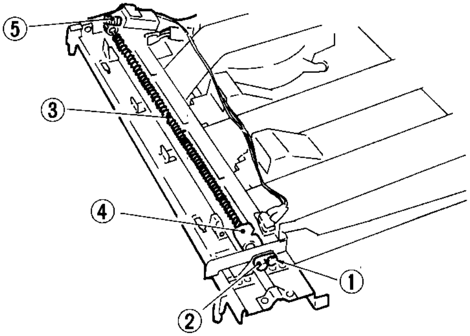
3) Detach the harness of the transfer/separation cleaner home position sensor (MS5) from the guide.
4) Disengage the two hooks, and pull out the duct in the direction of the arrow.



① Harness
② Hooks
③ Duct

Figure 4-325

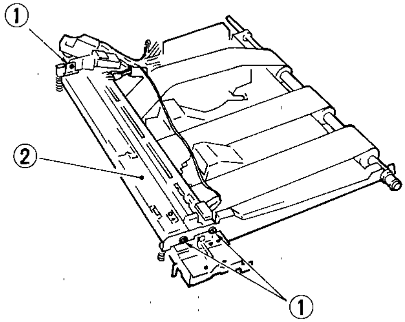
5) Remove the screw, and detach the bushing of the feedscrew.
6) Move the feedscrew to the front, and detach it from the motor gear.
7) Turn the feedscrew clockwise, and detach it from the cleaner.



① Screw
② Bushing
③ Feedscrew
④ Cleaner
⑤ Motor gear

Figure 4-326

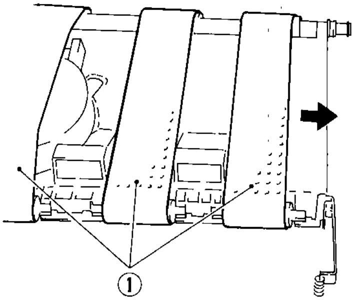
8) Remove the three screws, and detach the corona assembly rail.



① Screws
② Corona assembly rail mount

Figure 4-327

9) Detach the feeder belts.



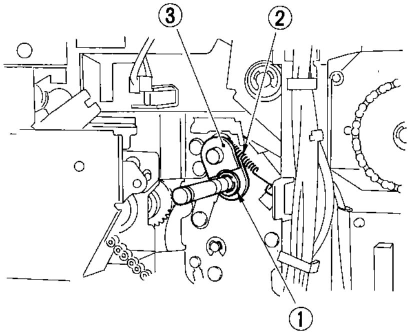
① Feeder belts

Figure 4-328

3. Detaching the Registration Roller

1) Open the front door, and detach the developing assembly; see p. 4-46.
2) Detach the pre-transfer corona assembly.
3) Detach the drum unit.
4) Detach the rear cover and the right cover.
5) Detach the pick-up assembly; see p. 4-16.
6) Detach the No. 1 registration roller drive assembly; see p. 4-12.
7) Remove the E-ring and the spring at the rear.
8) Detach the felt cover.

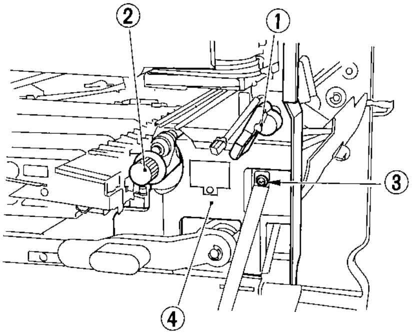
Note:
Detachment of the felt cover detaches the bushing of the registration roller (lower).



① E-ring
② Spring
③ Cover

Figure 4-329

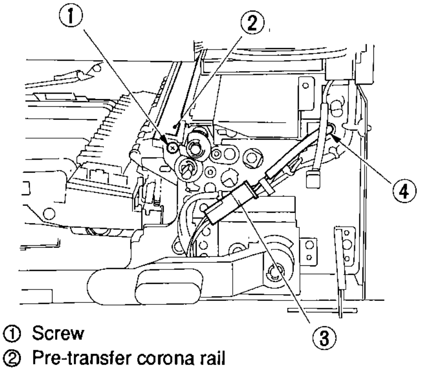
9) Detach the lock lever and the registration roller knob of the developing assembly.
10) Remove the screw, and detach the inside lower right cover.



① Lock lever
② Registration roller knob
③ Screw
④ Inside lower right cover

Figure 4-330

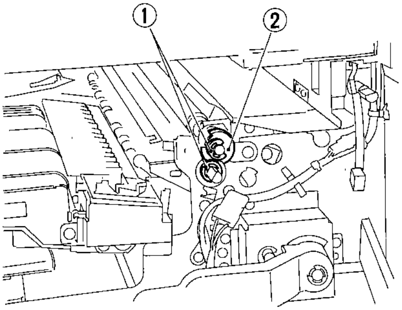
11) Remove the screw, and detach the pre-transfer corona assembly rail.
12) Remove the connector, and push it into the hole.



① Screw
② Pre-transfer corona rail
③ Connector
④ Hole

Figure 4-331

13) Remove the two E-rings, and detach the gear cover.



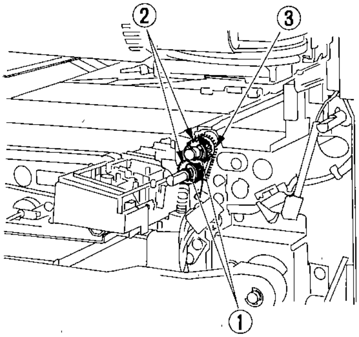
① E-rings ② Gear cover

Figure 4-332

14) Remove the two E-rings, and detach the two gears (w/ pin).

Note:
Keep the gear and the pin together.

15) Detach the spring.

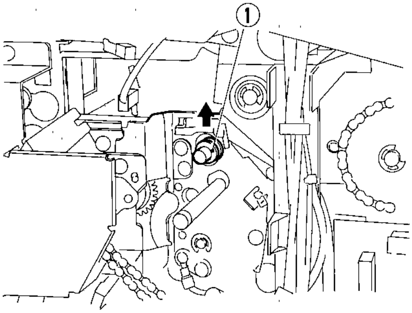


① E-rings
② Gears

③ Spring

Figure 4-333

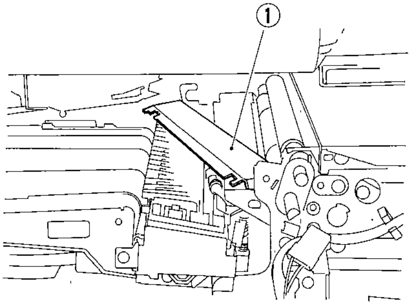
16) Lift the registration roller (upper) at the rear, and detach the bushing.



① Bushing

Figure 4-334

17) Detach the upper transfer guide assembly from the bushing.

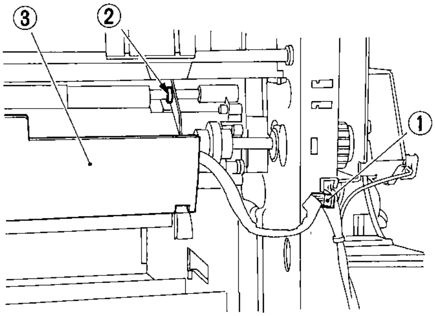


① Upper transfer guide assembly

Figure 4-335

18) Remove the connector from the manual guide assembly.
19) Move the bushing to the right, and detach the manual guide assembly.

Note:
Take care not to butt the horizontal paper edge sensor (Q6) attached to the manual guide assembly against the paper guide plate.

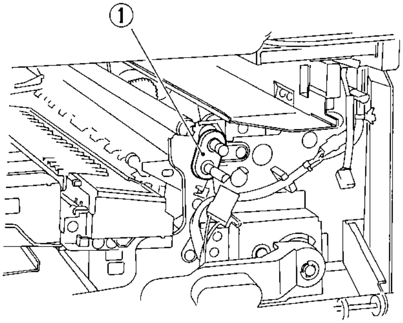


① Connector ③ Manual guide assembly
② Bushing

Figure 4-336

20) Detach the felt cover at the front.

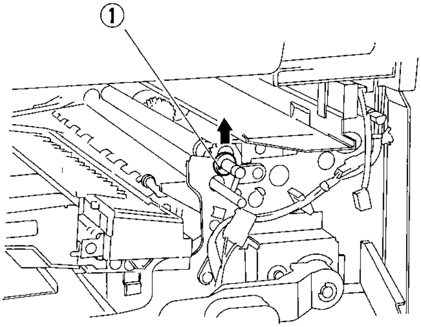
Note:
Detachment of the felt cover detaches the bushing of the registration roller (lower).



① Felt cover

Figure 4-337

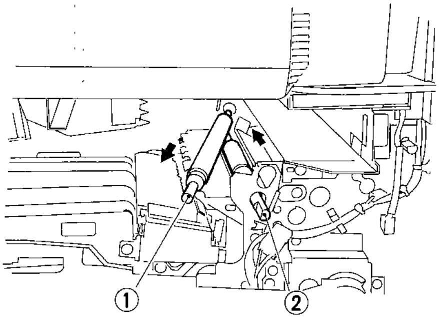
21) Lift the registration roller (upper), and detach the bushing.



① Bushing

Figure 4-338

22) Move the registration roller to the rear, and move it to the front to detach.



① Registration roller (upper)
② Registration roller (lower)

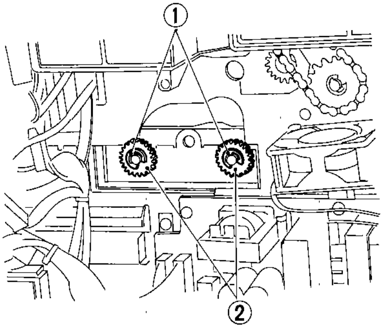
Figure 4-339

C. Lower Feeder Assembly

1. Detaching Set-Back Rollers 1 and 2

1) Detach the rear cover.
2) Detach the DC controller together with its mount.
3) Detach the lower feeder drive assembly.
4) Remove the E-rings, and pull out the gear (w/ pins).

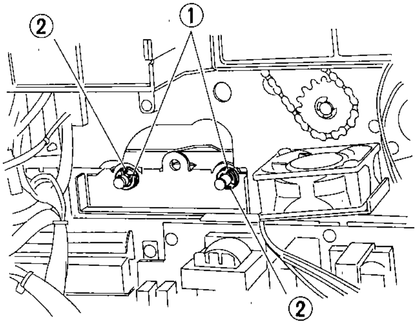
Note:
Keep the gear and the pin together.



① E-rings ② Gears (w/pin)

Figure 4-340

5) Remove the E-rings, and pull out the bushings.

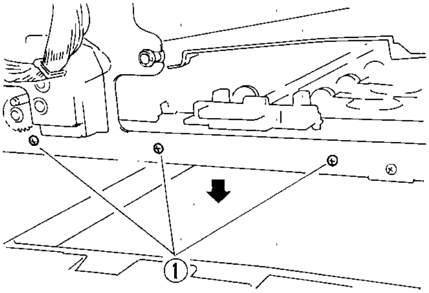


① E-rings ② Bushings

Figure 4-341

6) Open the front door and the delivery assembly.
7) Detach the inside left cover.
8) Detach the front door.
9) Slide out the 1st and 2nd cassettes.
10) Detach the lower front cover.

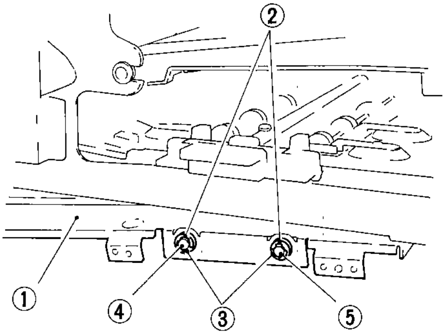
11) Remove the three screws, and push down the lower feeder assembly into the direction of the arrow.



① Screws

Figure 4-342

12) Remove the E-rings and detach the bushings; then, detach set-back rollers 1 and 2.

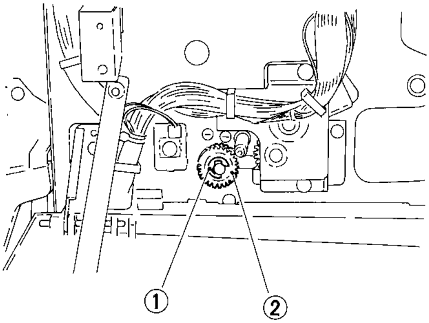


① Lower feeder assembly
② E-rings
③ Bushings
④ Set-back roller 1
⑤ Set-back roller 2

Figure 4-343

2. Detaching the Lower Feeder Inlet Roller

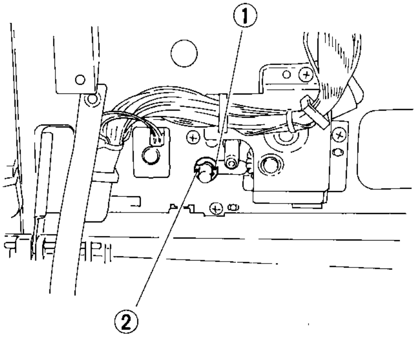
1) Open the front door.
2) Detach the inside left cover.
3) Remove the E-ring, and pull out the gear.



① E-ring ② Gear

Figure 4-344

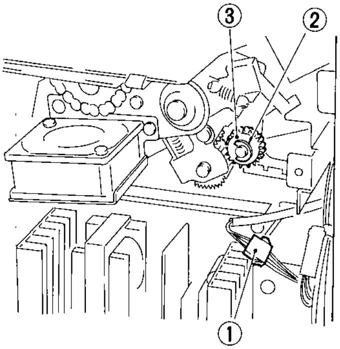
4) Remove the E-ring, and detach the bushing.



① E-ring ② Bushing

Figure 4-345

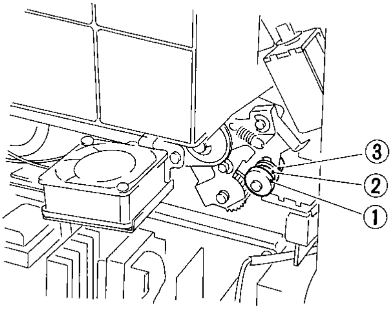
5) Detach the rear cover.
6) Detach the DC controller together with its mount.
7) Disconnect the connector.
8) Remove the E-ring, and detach the collar and the gear (w/ pin).



① Connector ③ Gear
② E-ring

Figure 4-346

9) Detach the collar and remove the E-ring; then, detach the bushing.



① Collar ③ Bushing
② E-ring

Figure 4-347

5) Move the lower feeder inlet roller assembly to the rear of the machine, and match the flat cut-out of the shaft with the slit of the rear plate; then, pull the lower feeder inlet roller assembly in the direction of the arrow to detach.

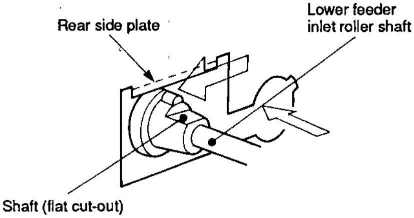
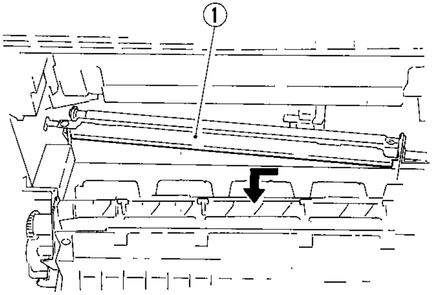

Rear side plate
Lower feeder inlet roller shaft
Shaft (flat cut-out)

Figure 4-348



① Lower feeder inlet roller assembly

Figure 4-349

D. Delivery Assembly

1. Construction

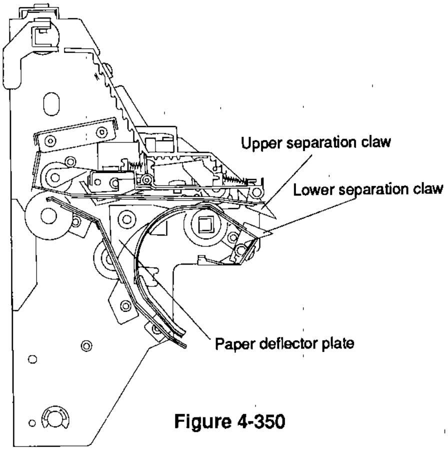

Upper separation claw
Lower separation claw
Paper deflector plate

Figure 4-350

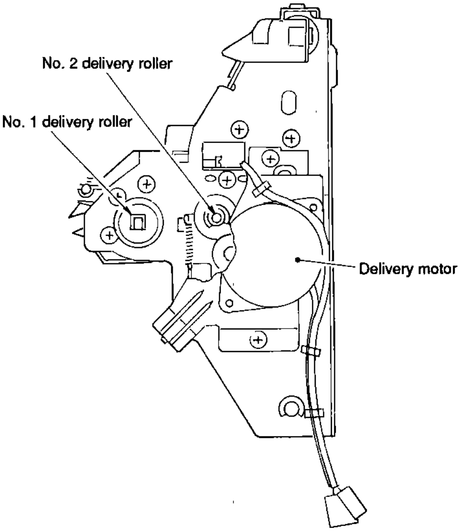
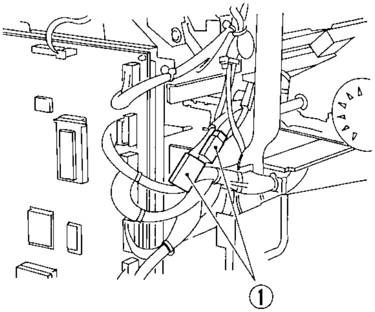

No. 2 delivery roller
No. 1 delivery roller
Delivery motor

Figure 4-351

2. Detaching the Delivery Assembly

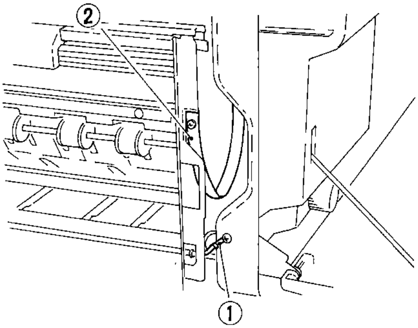
1) Detach the rear cover.
2) Detach the lower front cover.
3) Detach the left cover.
4) Open the front door.
5) Remove the two screws, and detach the delivery cover.
6) Disconnect the two connectors (6-pin, 3-pin) from the delivery assembly, and push them inside the machine.



① Connectors

Figure 4-352

7) Close the delivery assembly, and remove the door tape.
8) Remove the screw, and detach the grounding wire.

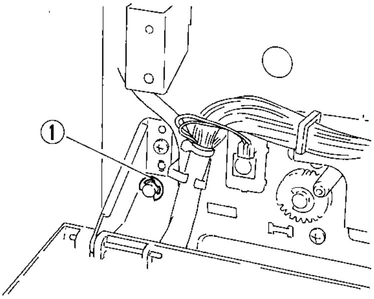


① Grounding wire ② Door tape

Figure 4-353

9) Detach the inside left cover.

10) Remove the E-ring.



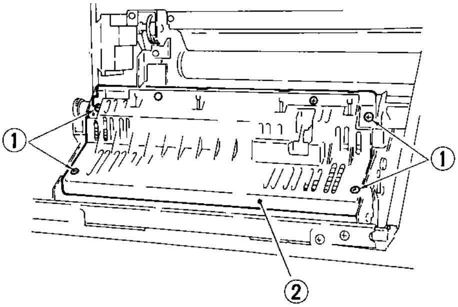
① E-ring

Figure 4-354

11) Open the delivery assembly, and move it to the rear to detach.

3. Detaching the Upper Separation Claw

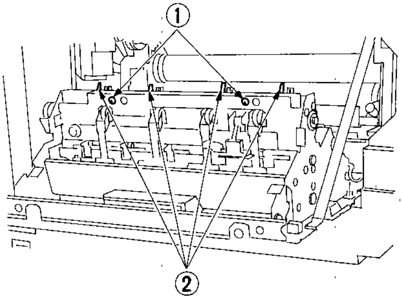
1) Open the delivery assembly.
2) Remove the four screws, and detach the upper cover.



① Screws (4 pcs.) ② Upper cover

Figure 4-355

3) Remove the two screws, and detach the upper separation claw.



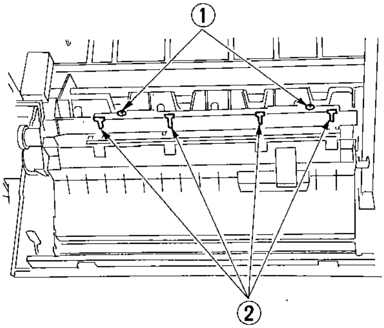
① Screws (2 pcs.) ② Upper separation claw

Figure 4-356

Note:
Attach the upper separation claw to the screw hole on the left (Figure 4-356).

4. Detaching the Lower Separation Claw

1) Open the delivery assembly.
2) Remove the two screws, and detach the lower separation claw.



① Screws (2 pcs.) ② Lower separation claws

Figure 4-357

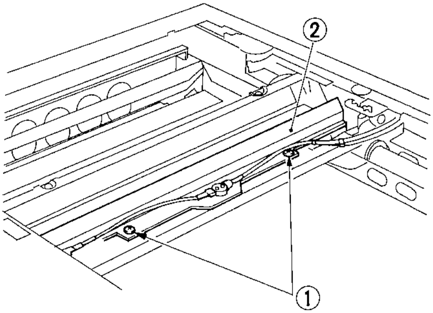
IV. EXPOSURE SYSTEM

A. Exposure Assembly

Note:
Make sure that the power plug is disconnected when disassembling or checking the exposure assembly.

1. Detaching the Scanning Lamp

1) Detach the copyboard glass.
2) Remove the two screws, and detach the upper reflecting plate.

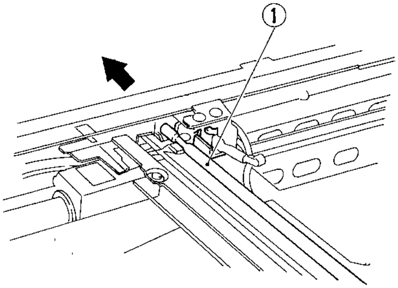


① Screws (M4×10) ② Upper reflecting plate

Figure 4-400

3) Hold the front of the scanning lamp, and detach it to the front while pushing it to the rear.

Note:
The lamp may come into contact with the front/rear side reflector plate (Figure 4-402); be sure to mark the position of the plate using a scriber if it must be detached to facilitate the work.



① Scanning lamp

Figure 4-401

Note:
1. Make sure that the scanning lamp is not hot before starting work.
2. Do not leave fingerprints on the scanning lamp.
3. If the scanning lamp is soiled, dry wipe it.

2. Adjusting the Position of the Side Reflecting Plate

If necessary, move the side reflecting plate of the No. 1 mirror mount into the direction shown in Figure 4-402 to increase the intensity at the ends for lighter image edges on the copies.

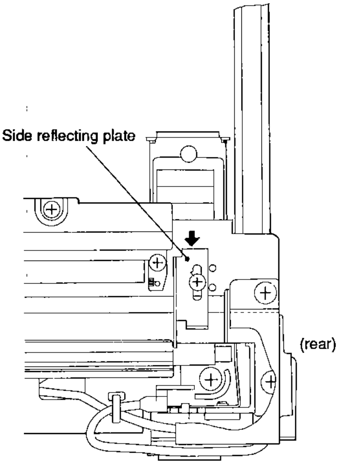
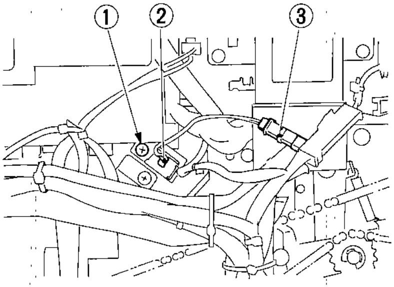


Figure 4-402

B. Pre-Exposure Lamp Assembly

1. Removing the Pre-Exposure Lamp

1) Detach the rear cover.
2) Remove the screw shown in Figure 4-403.
3) Pull out the pre-exposure lamp, and disconnect the connector (J35).



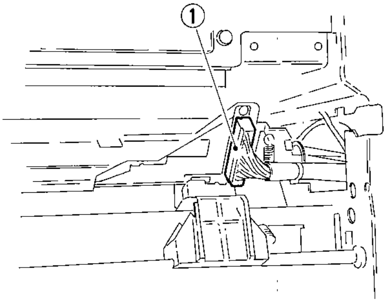
① Screw ③ Connector
② Pre-exposure lamp

Figure 4-403

C. Blank Exposure Lamp Assembly

1. Detaching the Blank Exposure Lamp

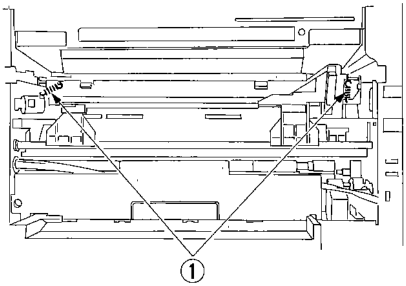
1) Detach the drum unit.
2) Detach the right cover.
3) Disconnect the connector.



① Connector

Figure 4-404

4) Remove the two springs.

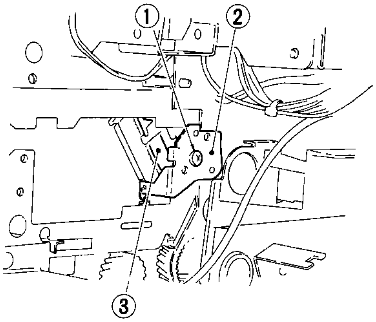


① Springs

Figure 4-405

5) Detach the rear cover.

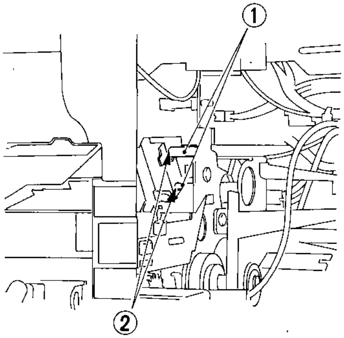
6) Hold the blank exposure lamp; then, remove the screw, and detach the blank exposure lamp support plate.
7) Pull out the blank exposure lamp to the rear.



① Screw
② Blank exposure lamp support plate
③ Blank exposure lamp

Figure 4-406

Note:
Attach the blank exposure lamp so that the two pins each of the front and rear support plates are fitted as shown in Figure 4-407.



① Pins
② Holes

Figure 4-407

2. Adjusting the Position of the Blank Exposure Lamp

1) Place the Test Sheet on the copyboard.
2) Check that the registration (left, right) is correct; otherwise, make the adjustments given in the SERVICE HAND BOOK.
3) Select 'A4'.
4) Make a copy in the DIRECT mode.
5) Check the image, and measure the non-image width shown in Figure 4-408; standard, W1 = 2.0 ±1.0 mm.

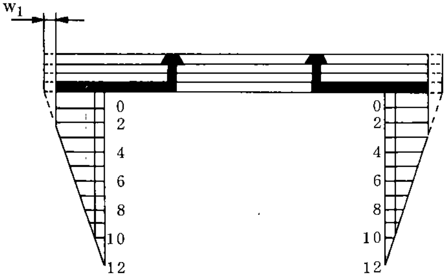
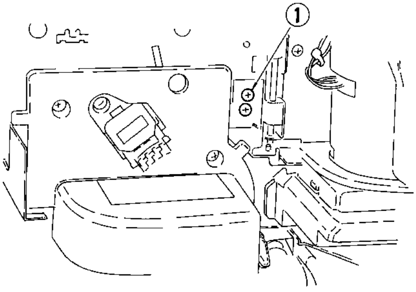


Figure 4-408

6) If the non-image width is outside the standards, turn the adjusting screw on the front end plate to adjust the position of the blank exposure lamp assembly.



① Adjusting screw

Figure 4-409

V. CORONA ASSEMBLIES

A. Drum Unit

1. Outline

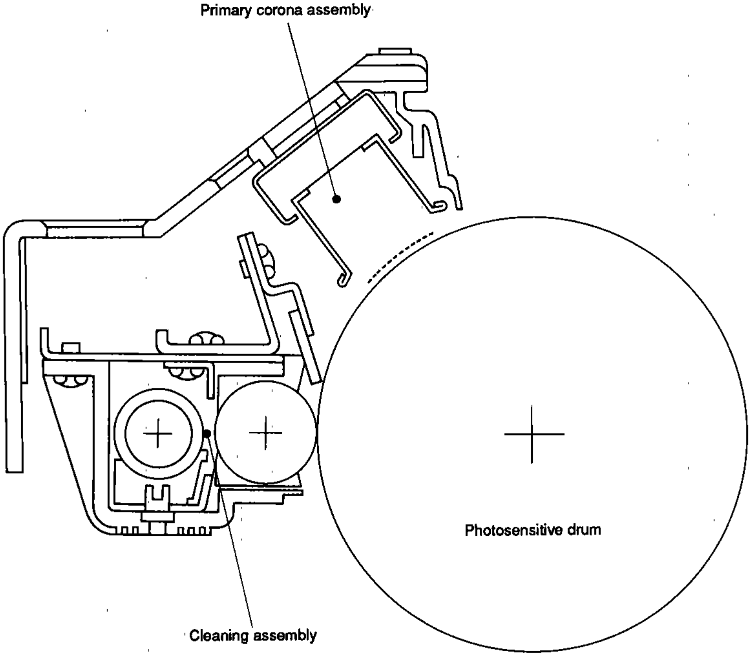
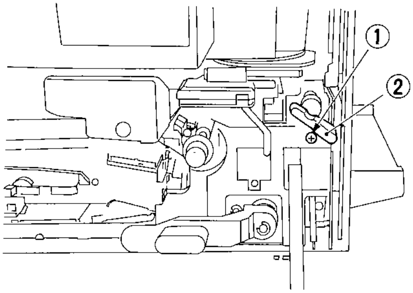

Primary corona assembly
Photosensitive drum
Cleaning assembly

Figure 4-500

2. Detaching the Drum Unit

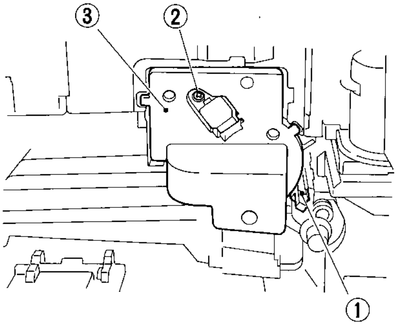
1) Open the front door.
2) Release the feeder assembly.
3) Remove the stepped screw, and turn the lock lever clockwise.



① Stepped screw ② Lock lever

Figure 4-501

4) Open the hopper.
5) Pull out the pre-transfer corona assembly.
6) Remove the screw, and pull out the drum unit.



① Pre-transfer corona assembly
② Screw
③ Drum unit

Figure 4-502

7) Hold the drum unit as shown in Figure 4-503, and detach it.

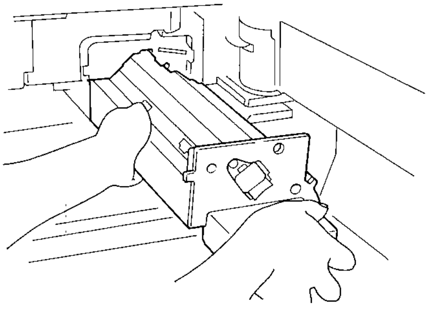


Figure 4-503

Note:
The machine's photosensitive drum is susceptible to light; room lights are enough to cause changes in its photo medium, resulting in copies with white spots and black lines. Wrap the drum with light-blocking sheet (or fresh copy paper) as soon as it is taken out of the machine, and place it on a flat surface and keep it in a dark place.

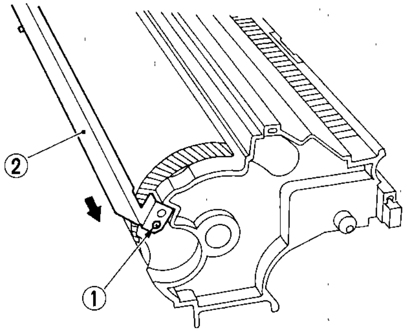
Note:
i. The drum separation claw is disengaged automatically when the drum unit is inserted; do not touch the drum separation claw to avoid injuries.
ii. Make sure that the drum separation claw is in contact with the drum after attaching the drum unit.
iii. Be sure to shift the lock lever to engage the black developing assembly after attaching the drum unit.

3. Detaching the Photosensitive Drum

1) Detach the drum unit from the copier; see p. 4-36.

Note:
i. Protect the photosensitive drum against light to prevent residual memory on its medium.
ii. Take care no to damage the photosensitive drum when detaching the toner receptacle.

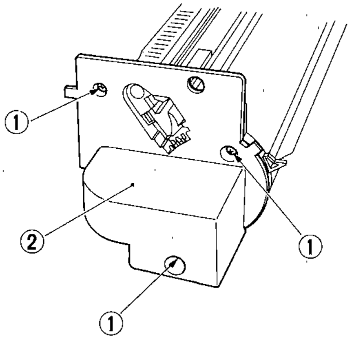
2) Remove the mounting screw (M3x6) from the toner receptacle, and move the receptacle into the direction of the arrow to detach.



① Screw ② Toner receptacle

Figure 4-504

3) Detach the primary corona assembly; see p.4-39.
4) Remove the three screws, and detach the front cover of the drum unit.

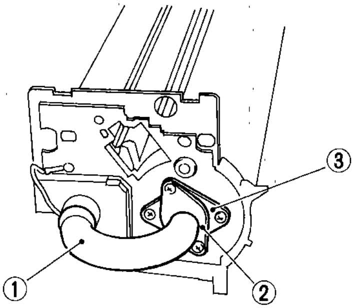


① Screws ② Front cover

Figure 4-505

5) Pull out the screwpipe on the drum support shaft side; remove the two screws each (M4), and detach the drum inside support shaft and the drum support shaft.

Note:
Toner will fall out when detaching the screwpipe.

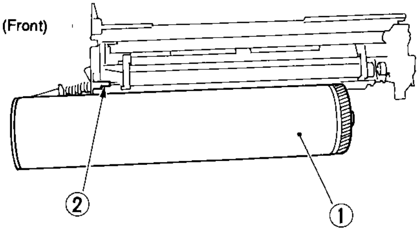


① Screwpipe ③ Drum support shaft
② Drum inside support shaft

Figure 4-506

6) Move the photosensitive drum to the front, and detach it from the rear.

Note:
i. Take care so that the photosensitive drum will not hit against the protrusion.
ii. The detachment causes the drum bushing at the rear to come off together.
iii. Tape the opening to prevent toner from coming out of the photosensitive drum.

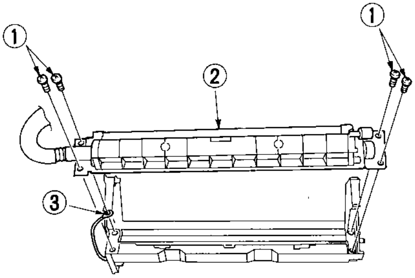


① Photosensitive drum ② Protrusion

Figure 4-507

4. Detaching the Drum Cleaning Unit from the Drum Unit

1) Detach the photosensitive drum; see p. 4-36.
2) Remove the four screws, and detach the drum cleaning unit; one of the screws is used to hold the grounding wire in place.



① Screws ③ Grounding wire
② Drum cleaning unit

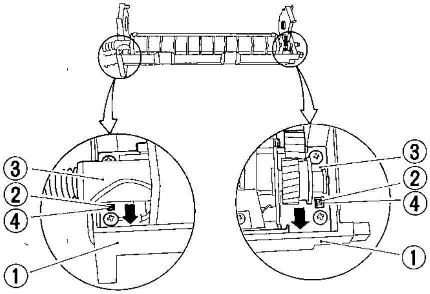
Figure 4-508

Note:

i. **Take care not to damage the cleaning blade and the claning roller.**
ii. **Do not remove screws other than those mentioned.**
iii. **Take care not to spill the waste toner.**

5. Points to Note When Attaching the Drum Cleaning Unit

Fit the bosses at the front and the rear of the cartridge frame with the holes in the drum cleaning unit; fix the unit in place while pushing it in the direction of the arrow using screws.



① Cartridge frame ③ Drum cleaning unit
② Bosses ④ Hole

Figure 4-509

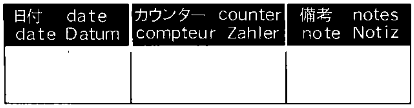
6. Cleaning

If the surface of the photosensitive drum is soiled, wipe it using a flannel cloth coated with toner; do not use paper, lint-free or otherwise.

Note:
Do not dry wipe the surface or use solvent; do not use drum cleaning powder.

7. Points to Keep in Mind When Replacing the Drum Unit

Record the date of replacement and the counter readings on the label (Figure 4-510) after replacing the drum unit; attach the label on the front cover of the new drum.



日付 date date Datum	カウンター counter compteur Zahler	備考 notes note Notiz

Figure 4-510

8. Waste Toner

a. Outline

The waste toner collected by the cleaning assembly is stored in the photosensitive drum. When the drum becomes full of waste toner, the 'DISPOSE OF TONER' message appears on the display.

Replace the drum unit when the message appears.

Note:
Copies may still be made after the message is displayed; waste toner, however, will start to drop into the feeder assembly about 200 copies later. Replace the drum unit as soon as possible when the message appears.

B. Corona Assembly

1. Outline

The photosensitive drum is surrounded by three corona assemblies: primary, pre-transfer, and transfer/separation corona assemblies.

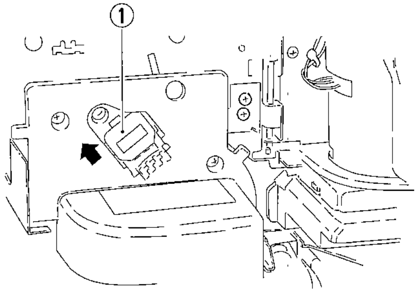
The primary corona assembly is equipped with a grid of wire (16 runs).

The grid wire is a corona wire 0.1 mm in diameter; other corona wires are 0.06 mm in diameter. The corona wires are gold-plated; although the grid wire is not gold-plated, a gold-plated corona wire may be substituted in the field.

2. Disassembly and Assembly

a. Detaching the Primary Corona Assembly

1) Lift the primary corona assembly, and slide it out.

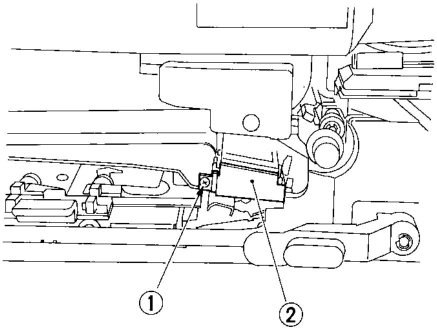


① Primary corona assembly

Figure 4-511

b. Detaching the Transfer/Separation Corona Assembly

1) Open the front door.
2) Release the feeder assembly.
3) Remove the screw, and detach the transfer/separation corona assembly cover.



① Screw ② Transfer/Separation corona assembly cover

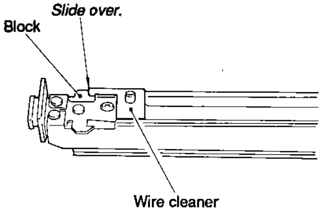
Figure 4-512

4) Slide out the transfer/separation corona assembly.

c. Routing the Corona Wire for the Primary, Pre-Transfer, and Transfer/Separation Corona Assemblies

1) Slide the wire cleaner over the block of the corona assembly as shown in Figure 4-513, and detach it.

<Primary Corona Assembly>



<Transfer/Separation Corona Assembly>

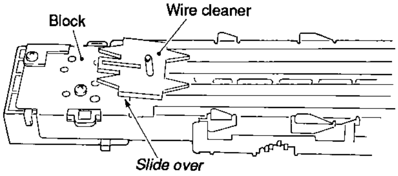


Figure 4-513

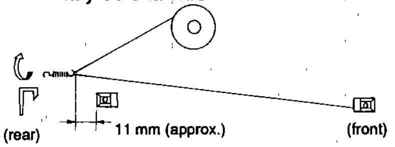
2)
- For the primary corona assembly, remove the screw, and detach the shield plate.
- For the separation corona assembly, remove the screw, and open the shield plate; then, detach the paper guide.

3) Move the two covers of the corona assembly to the end of the assembly to detach.
4) Free about 4 mm of corona wire from its reel (0.06-mm dia.), and form a loop about 2 mm in diameter.

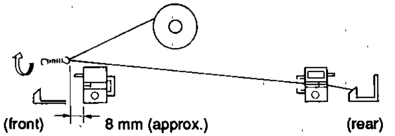
Note:
When forming a loop, wind the wire around a hex key once; then, turn the hex key three to four times, and then twist the wire.

5) Cut the end (excess) of the twisted end to 1 mm or less using a cutter.
6) Hook the loop of the corona wire as shown in Figure 4-514, and route it along the V-groove of the height adjusting roll.
   Hook the corona wire tensioning spring on the corona wire, and twist the spring three to four times as shown in Figure 4-514.

■ Primary Corona Wire


(rear)
11 mm (approx.)
(front)

■ Transfer/Separation Corona Assembly


(front)
8 mm (approx.)
(rear)

■ Pre-Transfer Corona Assembly

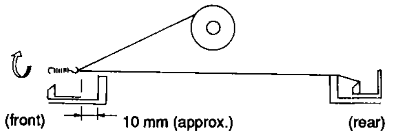

(front)
10 mm (approx.)
(rear)

Figure 4-514

7) Cut the excess corona wire to 1 mm or less using a cutter.
8) Pick the end of the corona wire tensioning spring using tweezers, and hook it on the corona electrode.

Note:
Check the following:
- The corona wire is free of breaks and twists, and its gold-plating has not peeled.
- The corona wire is free of slack.
- The corona wire is routed through the V-groove of the height adjusting roll.
- The gut wire of the transfer/separation corona assembly is routed through the groove.
- The corona wire is in the pad of the wire cleaner; i.e., when attaching the wire cleaner.

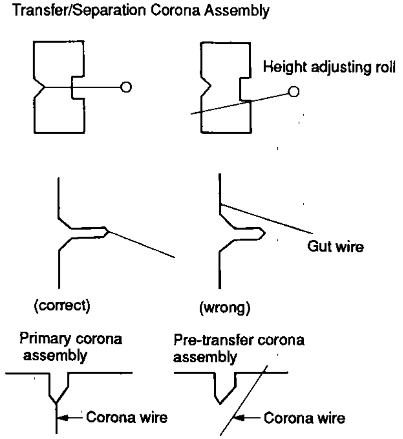

Transfer/Separation Corona Assembly
Height adjusting roll
Gut wire
(correct)
(wrong)
Primary corona assembly
Pre-transfer corona assembly
Corona wire
Corona wire

Figure 4-515

Note:
Silicone grease is applied along the V-groove of the height-adjusting roll of the transfer/separation corona assembly to prevent vibration of the corona wire; if necessary, apply silicone grease (CK-0439) along the groove, taking care it will not seep out the groove.

Note:
Attach the wire cleaner to the transfer/separation corona assembly so that the pad of the wire cleaner will open out; attach it from the front.

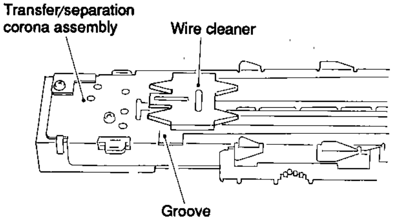
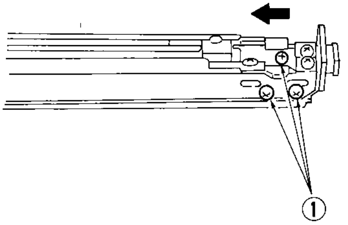


Figure 4-516

d. Routing the Grid Wire for the Primary Corona Assembly

1) Loosen the three mounting screws that hold the block (front) in place; move the block (front) in the direction of the arrow (Figure 4-517), and fix it in place temporarily.



① Mounting screws

Figure 4-517

Note:
When forming a loop, wind the wire around a hex key once; then, turn the hex key four to five times, and then twist the wire.

2) Free a length of corona wire (0.1-mm dia.) from its reel, and form a loop at its end 2 mm in diameter.
3) Cut the end (excess) of the wire to 1 mm or less using a cutter.
4) Hook the loop on the stud shown in Figure 4-518, and route the wire in the order given in the figure.
5) Check that the wire has been strung 16 runs; then, wind the end of the wire on the fixing screw to fix it in place.
6) Cut the end (excess) to 1 mm or less using a nipper.
7) Loosen the screw tightened temporarily in step 1), and move the block into the opposite direction of the arrow (Figure 4-517); then, adjust the tension of the grid.
8) Dry wipe the grid wire.
9) Make sure of the following:
   - The grid wire is free of breaks and twists, and its gold-plating has not peeled.
   - The runs of the wire are at even intervals, i.e., the wire is in the groove of the block.

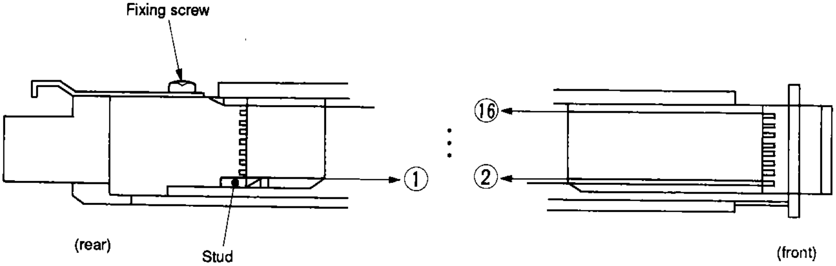


Figure 4-518

3. Adjusting the Height of the Corona Wire

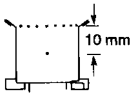
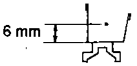
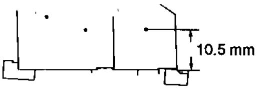
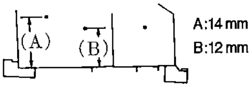
Corona assembly	Standard	Toler-ance
Primary	Value on label  (10 mm from the center grid wire)	±3 mm
Pre-transfer	 (no height adjusting mechanism)	—
Transfer	Value on label 	
Separa-tion	Value on label  (no height adjusting mechanism)	

Figure 4-519

a. The height (position) of the primary and transfer corona wires can be adjusted by turning the screw found behind the respective corona assembly; a full turn of the screw moves the corona wire by about 0.7 mm.

b. The values shown in Figure 4-519 are standards; and measurements taken at the factory for each machine are recorded on the label attached to the drum unit. Use the values recorded on the label when making the above adjustments.

4. Routing the Gut Wire

Note:
Do not pull on the gut wire with force; after routing the wire, measure the opening of the corona assembly, and make sure that its center is not narrower than its both ends by 0.5 mm or more.

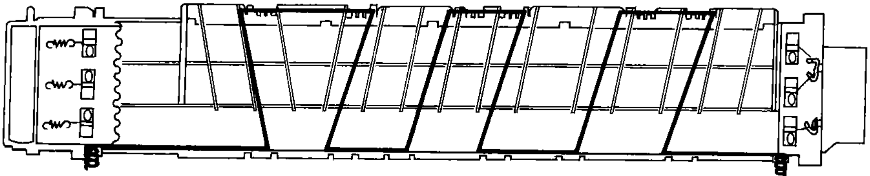

(front)
3 turns; then, glue in place.
3 turns; then, glue in place.

Figure 4-520

C. Separation Claw Assembly

1. Construction

The separation claw moves back and forth over a length of 16 mm along the shaft of the photosensitive drum; it makes a single round trip for about each 75 copies (A4, non-continuous).

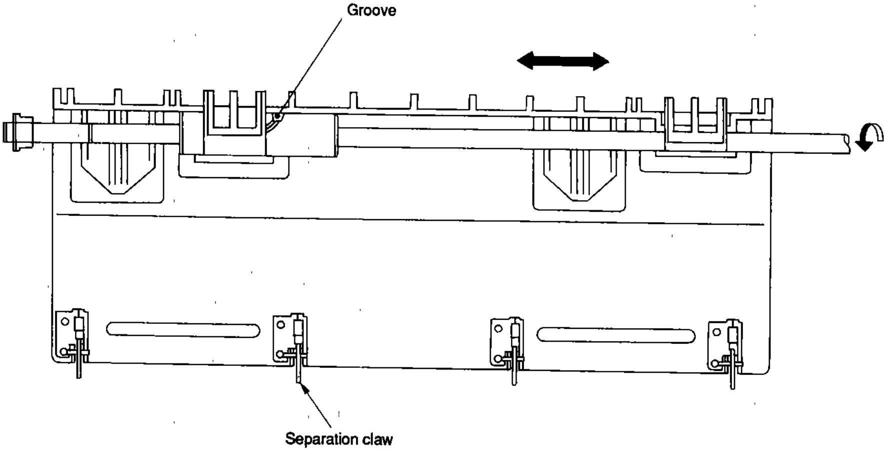
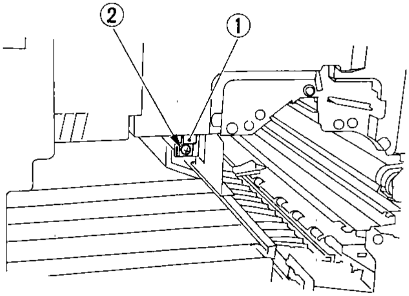


Figure 4-521

2. Detaching the Separation Claw

1) Open the front door.
2) Detach the drum unit.
3) Remove the screw, and detach the separation claw shaft stopper.
4) Push the bushing to the rear, and detach the separation claw assembly.

Note:
Take care not to bring the tip of the separation claw into contact with the belt; be careful not to damage the separation claw after it has been detached. Exercise caution when handling the separation claws; they are extemly sharp.



① Separation claw shaft stop ② Screw

Figure 4-522

VI. DEVELOPING SYSTEM

A. Black Developing Assembly

1. Construction

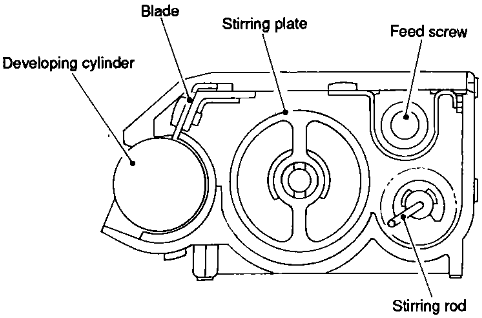
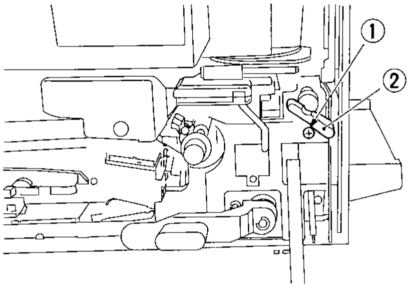


Figure 4-600

2. Detaching the Black Developing Assembly

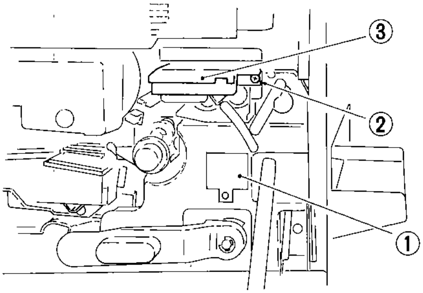
1) Open the front door.
2) Remove the stepped screw; then, turn the lock lever clockwise to release the developing assembly.



① Stepped screw ② Lock lever

Figure 4-601

3) Shift the feeder assembly release lever.
4) Disconnect the connector (J26; 3-pin) found behind the inside cover and the screw from the black developing assembly.



① Inside cover ③ Black developing assembly
② Screw

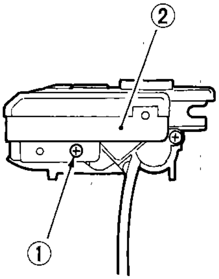
Figure 4-602

5) Slide out the black developing assembly slowly to the front; hold the developing assembly on its bottom to detach the developing assembly.

Note:
Do not hold the developing assembly as if to hold the developing cylinder from its both ends; otherwise, toner may start to cake.

3. Detaching the Blade and the Developing Cylinder

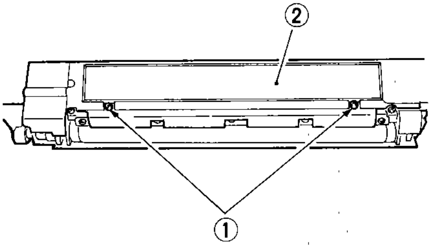
1) Detach the developing assembly from the machine.
2) Remove the self-tapping screw, and disengage the grip.



① Self-tapping screw ② Grip

Figure 4-603

3) Remove the two non-magnetic screws, and detach the developing cover.

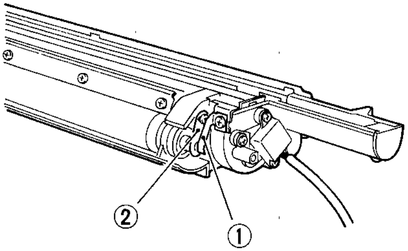


① Non-magnetic screws ② Developing cover

Figure 4-604

4) Pour out the toner on waste paper (newspaper).

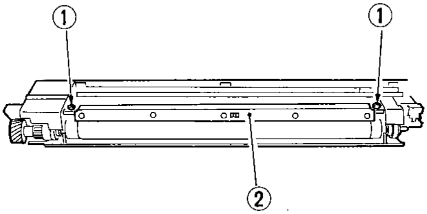
5) Remove the screw, and detach the electrode plate at the front.
6) Remove the self-tapping screw, and detach the magnetic fixing plate.



① Electrode plate (front) ② Magnetic fixing plate

Figure 4-605

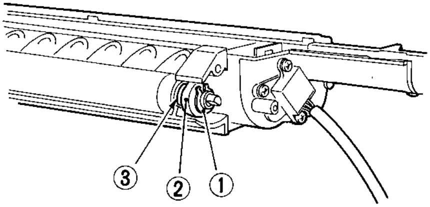
7) Remove the two non-magnetic screws, and detach the blade together with its mount.



① Non-magnetic screws ② Blade

Figure 4-606

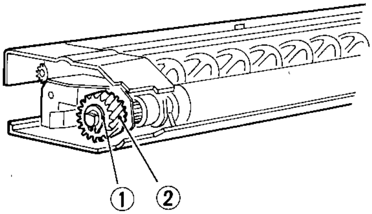
8) Remove the grip ring at the front, and detach the developing roll and the ball bearing.



① Grip ring ③ Ball bearing
② Developing roll

Figure 4-607

9) Remove the grip ring at the rear, and detach gear A.

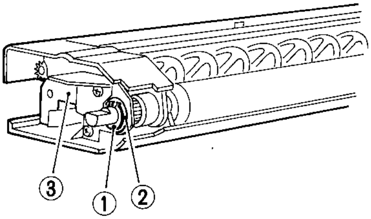


① Grip ring ② Gear A

Figure 4-608

10) Remove the grip ring, and detach the washer and the bearing.

11) Remove the non-magnetic screw, and detach the gear unit.

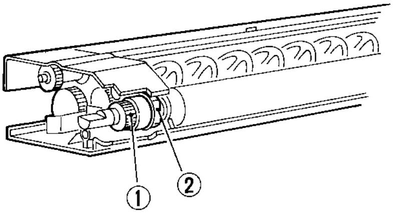


① Grip ring ③ Gear unit
② Bearing

Figure 4-609

12) Detach gear B (w/ pin) and the developing roll.

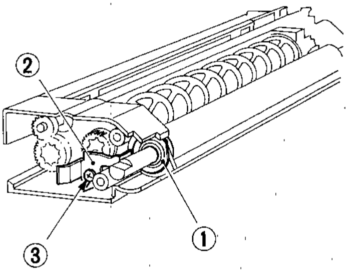
Note:
Take care not to drop the pin.



① Gear B ② Developing roll

Figure 4-610

13) Remove the self-tapping screw, and detach the electrode plate (rear) together with the ball bearing.



① Ball bearing ③ Screw
② Electrode plate (rear)

Figure 4-611

14) Detach the developing cylinder.

4. Attaching the Developing Cylinder and the Blade

1) Attach the developing cylinder.

Note:
i. The developing cylinder has its own orientation; keep the longer shaft to the rear.
ii. Do not leave finger prints or oil on the surface of the developing cylinder; if necessary, dry wipe it using lint-free paper.

2) Attach the ball bearing together with the electrode plate at the rear; see Figure 4-613.

Note:
i. Do not use the screw at the time to fix the electrode plate in place.
ii. Rotate the electrode plate into the direction of the arrow in advance to facilitate insertion of the blade mount in step 4); see Figure 4-612.

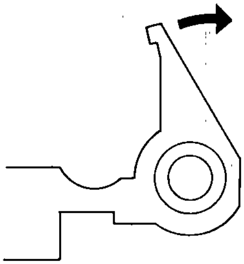


Figure 4-612

Note:
Make sure that the ball bearing (rear) is correctly positioned in the developing cylinder.

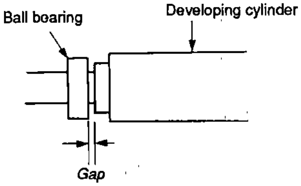


Figure 4-613

3) Attach the front ball bearing.
4) Attach the mount together with the blade to the container using two non-magnetic screws; see Figure 4-614.

Note:
The blade is attached with high precision; do not detach it from its mount.

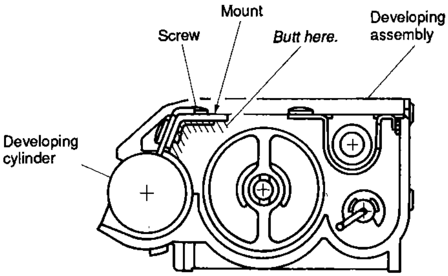


Figure 4-614

5) Turn the electrode plate at the rear in the direction of the arrow, and fix it in place using a self-tapping screw.

Note:
i. Make sure that the blade mount is in firm contact with the electrode plate.
ii. Make sure that the blade electrode has not ridden over the blade mount.
After attaching the blade to the developing assembly, be sure to check the gap from the developing cylinder; see p. 4-51.

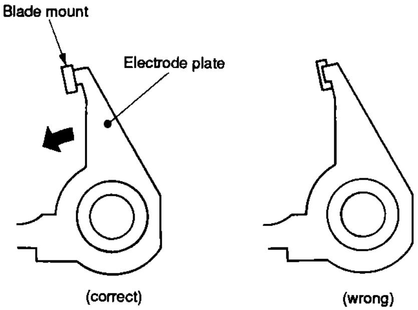


Figure 4-615

6) Attach the developing roll, the pin, and gear B at the rear; see Figure 4-610.
7) Attach the gear unit together with the bearing using a non-magnetic screw.
8) Fit two washers, and slide the grip all the way up to the groove of the shaft of the developing cylinder.
9) Attach gear A, and fix it in place using a grip ring.
10) Attach the developing roll at the front, and fix it in place using a grip ring.

Note:
Keep a gap of about 0.3 mm between the roll and the grip ring with the ball bearing (Figure 4-613 butted against the developing cylinder, and check to make sure that the roll rotates smoothly.

11) Attach the polarity plate at the front.
12) Push the polarity plate lightly in the direction of A, and then release it.
13) Push the polarity plate into the direction of A until line D on the plate faces notch C on the container.

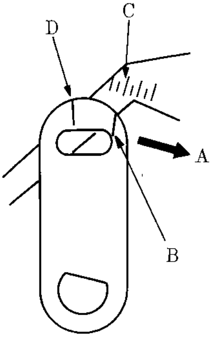


Figure 4-616

14) Attach the polarity plate at the front using a screw.

Note:
Make sure that the polarity plate is in firm contact with the shaft of the developing cylinder.

15) Put toner into the black developing assembly as for installation (TONER_S; ✱ 4 ✱).
16) Attach the developing cover using two non-magnetic screws and the grip using a self-tapping screw.

Note:
Do not leave fingerprints or oil on the surface of the developing cylinder; if necessary, dry wipe it using lint-free paper. If the copies are still affected after through cleaning, replace the developing cylinder as a whole.

5. Developing blade Mount/Adjustment Procedure

Note:
- i. If possible, avoid removing the developing blade as a single part. Instead, remove or mount it together with the support plate. (When mounting the blade together with the support plate, perform operations starting with step 6) of the adjustment procedure.)
- ii. Mounting of the developing blade must be performed after cleaning the developing blade and developing cylinder.
- iii. Since the developing cylinder is easily damaged, pay extra attention when inserting or withdrawing the gap gauge.
- Iv. If the gap gauge is damaged or broken replace, it with a new one.
- v. If the reference face of the gap gauge becomes stained with oils from your hand, the developing blade may also become stained during adjustment; therefore, do not touch the gauge with your fingers.

1) Temporarily secure the developing blade to the support plate using screws. At this time, the boss of the support plate must be in the hole of the developing blade.

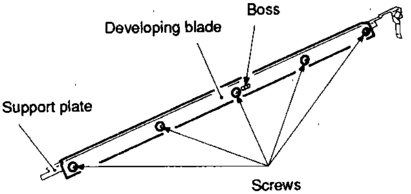


Figure 4-616A

2) As shown in Figure 4-616B, pinch the OK side of the gap gauges between the developing blade and developing cylinder (3 locations), and use the two screws to secure the developing blade to the developing assembly together with the support plate. (At this time, be careful not to strike the developing blade against the developing cylinder.)

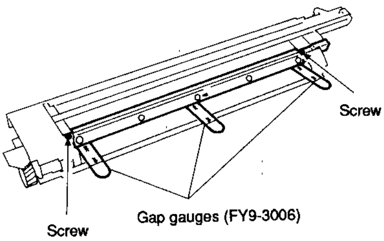


Figure 4-616B

3) While lightly pressing on the developing blade, fix it with two screws as shown in Figure 4-616C. (Note that if the developing blade is pressed heavily, the developing cylinder may become damaged when the gap gauges are pulled out.)

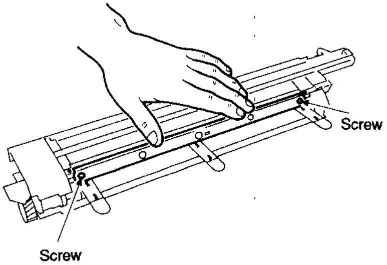


Figure 4-616C

4) Turn the eccentric boss shown in Figure 4-616D until the developing blade slightly touches the gap gauge, and secure it with the center screw.
5) Secure the remaining two screws and gently pull the gap gauges out. At this time, repeat step 3) and thereafter if the gauge is extracted with difficulty.

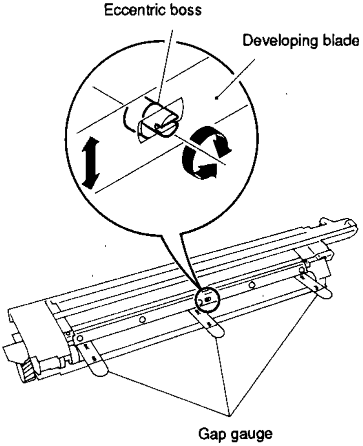


Figure 4-616D

6) Check that the OK side of the gap gauge can be inserted smoothly and also that the NG side can not be inserted at the three locations where the gap gauges were pinched.
7) If the OK side of the gap gauge gets caught or the NG side allows free passage, loosen the screw at that location to readjust.
8) Repeat steps 6) and 7) until the gap between the developing blade and the developing cylinder reaches an optimum gap.

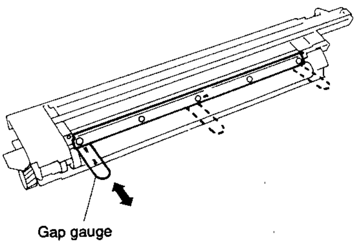
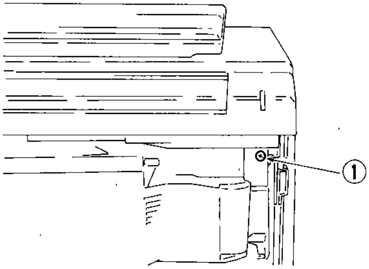


Figure 4-616E

B. Hopper

1. Detaching the Hopper

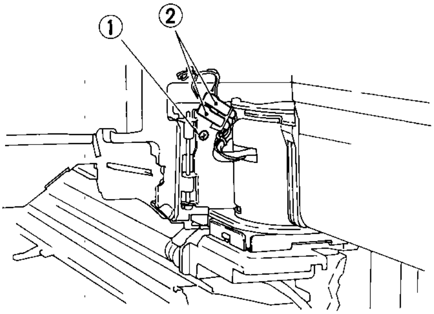
1) Open the front door.
2) Turn the lock lever clockwise to release the black developing assembly.
3) Detach the pre-transfer corona assembly and the drum unit.
4) Check that the hopper is closed, and remove one of the fixing screw.



① Screw

Figure 4-617

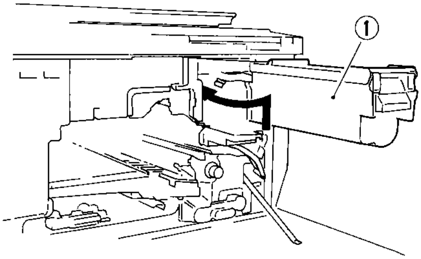
5) Open the hopper.
6) Remove the screw, and disconnect the two connectors.



① Screw ② Connectors

Figure 4-618

7) Lift the hopper (hinge), and swing it inside.



① Hopper

Figure 4-619

Note:
Do not turn the rotary shutter shown in Figure 4-620.

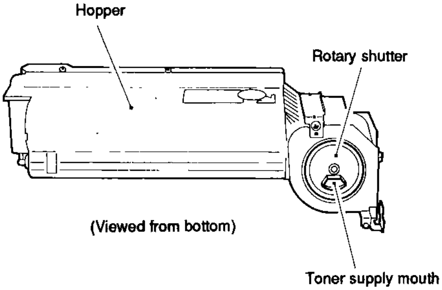
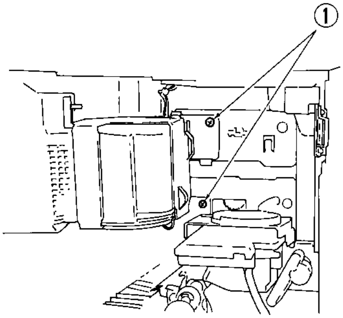

Hopper
Rotary shutter
(Viewed from bottom)
Toner supply mouth

Figure 4-620

Note:
If the hopper is heavy with toner, hold the hopper by hand; remove teh screws from the bottom.

8) Remove the two screws, and detach the hopper.



① Screws

Figure 4-621

2. Points to Note When Attaching the Hopper

- Engage the hook on the hinge (Figure 4-622) on the frontend plate.

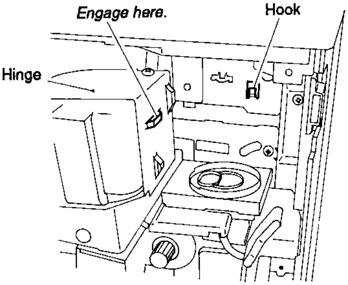

Engage here.
Hook
Hinge

Figure 4-622

- Be sure to engage the hook of the hinge assembly on the hook of the front end plate as shown in Figure 4-623.

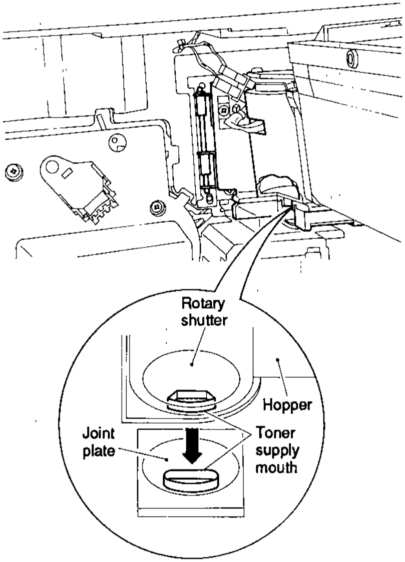
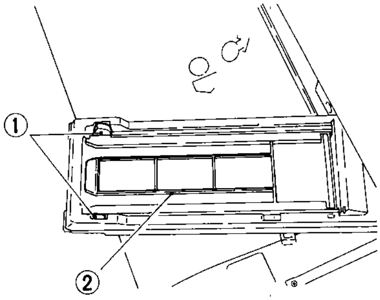

Rotary shutter
Hopper
Joint plate
Toner supply mouth

Figure 4-623

3. Opening the Hopper Cover

Press the latch to open the cover as shown in Figure 4-624.



① Latch ② Cover

Figure 4-624

VII. FIXING SYSTEM

A. Fixing Assembly

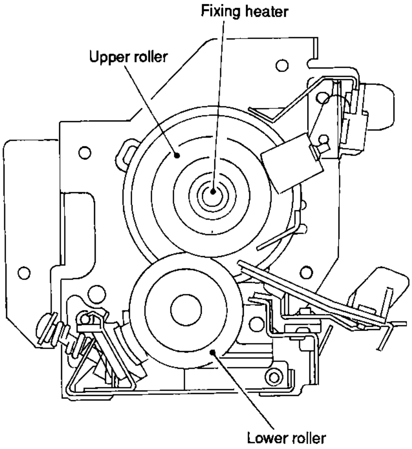

Fixing heater
Upper roller
Lower roller

Figure 4-700 Cross Section (fixing assembly)

1. Engagement

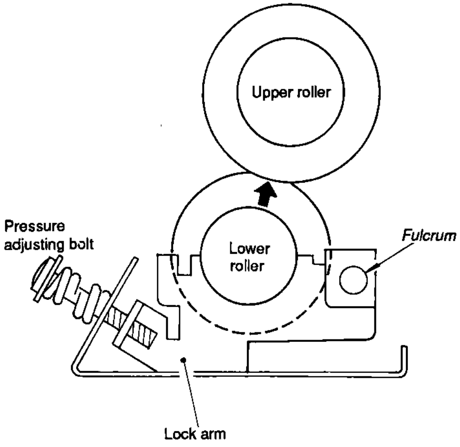

Upper roller
Lower roller
Pressure adjusting bolt
Fulcrum
Lock arm

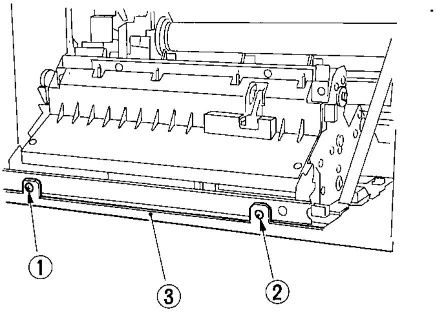
Figure 4-701

The position of the lock arm shown in Figure 4-701 can be changed by turning the pressure adjusting bolt found at the front and the rear of the fixing assembly.

A clockwise turn of the pressure adjusting bolt causes the lower roller to move in the direction of the arrow, thereby increasing the roller pressure.

2. Detaching the Fixing Assembly

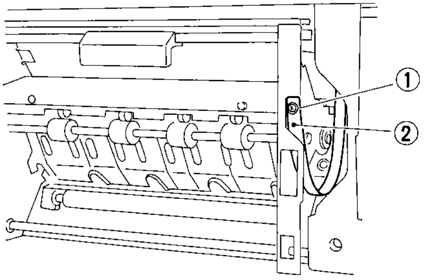
1) Open the front door.
2) Open the delivery assembly, and remove the two screws; then, detach the delivery cover.



① Screw ③ Delivery cover
② Stepped screw

Figure 4-702

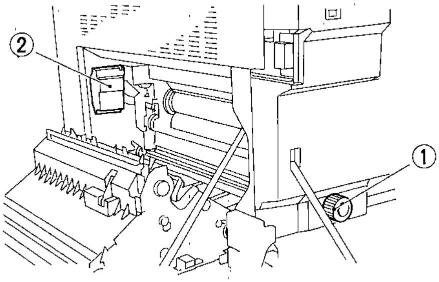
3) Remove the screw, and remove the door tape of the delivery assembly.



① Screw ① Door tape

Figure 4-703

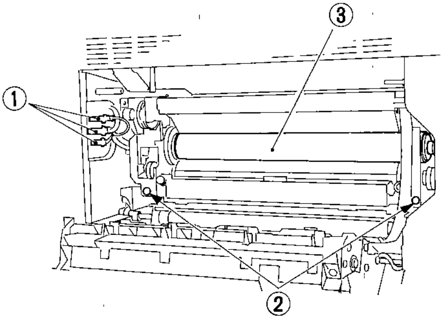
4) Remove the screw and the washer; then, detach the fixing assembly knob.
5) Remove the screw, and detach the connector cover.



① Fixing assembly knob ② Connector cover

Figure 4-704

6) Disconnect the three connectors (J60, 3-pin; J2, 2-pin; J84, 2-pin).
7) Remove the two screws, and slide out the fixing assembly.

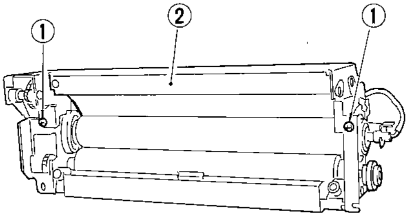


① Connectors ③ Fixing assembly
② Screws

Figure 4-705

3. Detaching the Heater, Upper Roller, and Lower Roller

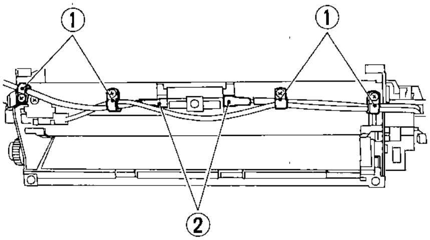
1) Detach the fixing assembly.
2) Remove the two screws, and detach the cleaning assembly.



① Screws ② Cleaning assembly

Figure 4-706

3) Detach the four harness retainers; 1 screw each.
4) Pull out the two fastons from the thermal switch.

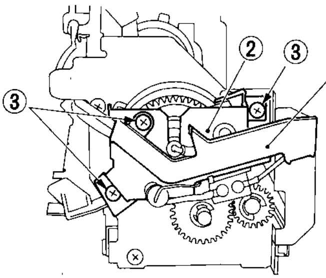


① Harness retainers ② Fastons

Figure 4-707

5) Remove the screw, and detach the harness guide.
6) Remove the two screws, and detach the heater fixing plate; then, pull out the heater.

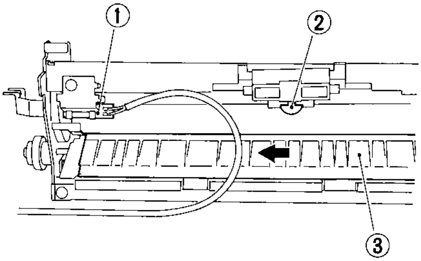
Note:
Make sure that the connector is at the front when attaching the heater.



① Harness guide
② Heater fixing plate
③ Screws

Figure 4-708

7) Remove the screw, and detach the thermistor and the thermoswitch.
8) Move the paper guide in the direction of the arrow to detach.

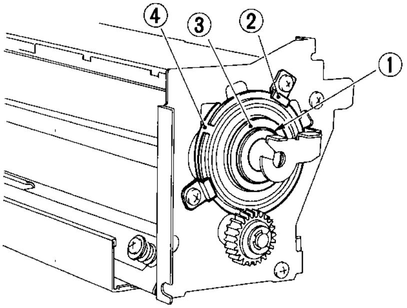


① Thermistor
② Thermoswitch
③ Paper guide

Figure 4-709

9) Remove the C-ring; then, remove the screw from bearing retainer (2 pcs.), and detach the bearing together with the insulating bushing.

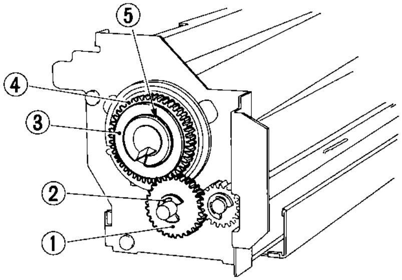
Note:
The insulating bushing is fragile; handle it with care.



① C-ring
② Bearing retainer
③ Insulating bushing
④ Bearing

Figure 4-710

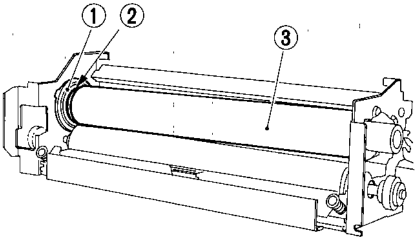
10) Remove the E-ring, and detach the gear at the rear; 1 grip ring.
11) Remove the C-ring, and detach the electrode plate and the roller shaft gear; 1 E-ring.



① Gear
② Roller shaft gear
③ E-ring
④ Electrode plate
⑤ C-ring

Figure 4-711

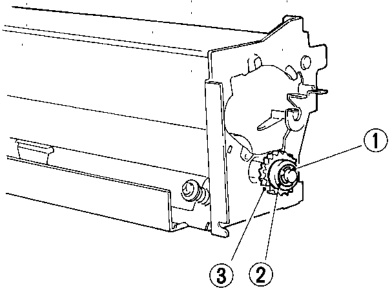
12) Detach the bushing and the insulating bushing at the gear, and pull out the upper roller while forcing it against the lower roller.



① Bushing
② Insulating bushing
③ Upper roller

Figure 4-712

13) Remove the E-ring from the lower roller, and remove the two collars and the gear (w/ pin).
14) Lift the lower roller from the bushing, and detach it.



① E-ring
② Collars
③ Gear

Figure 4-713

4. Attaching the Heater

- Take care not to touch the surface of the heater.
- Attach it so that the connector is at the rear.

5. Attaching the Upper Roller

Attach the upper roller so that the cut is at the rear.

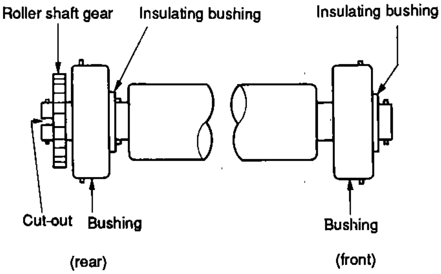


Figure 4-714

6. Attaching the Thermistor and the Thermoswitch

Make sure that the sensor faces of the thermistor and the thermoswitch are in even contact with the surface of the upper roller.

Note:
The position of the thermistor and the thermoswitch need not be adjusted; if the contact is not even, check to make sure that the leaf spring is not deformed.

7. Measuring and Adjusting the Nip Width

a. Adjustment (adjusting the pressure adjusting bolt)

Check if the nip width is within the standards shown in Table 4-700; otherwise, adjust it using the bolt.

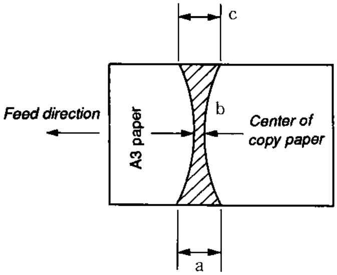


Figure 4-715

Note:
a and c represent points 10 mm from both sides.

Distance	Measurements*
b	5.3 ± 0.3 mm
l a – c l	0.5 mm or less

Table 4-700

* Take measurements when the upper and lower rollers are sufficiently heated.

b. Measurement

If the rollers are cold, wait about 15 min after wait-up; make 20 copies, then take measurements.

1) Lift the copyboard cover, and make a solid black copy (A3).
2) Switch the machine OFF as soon as the leading edge of the copy paper comes out to the copy tray; then, open the front door and the delivery assembly.
3) Turn the fixing assembly knob clockwise slightly, and hold it for 15 sec; then, turn the fixing assembly knob farther to remove the copy paper.
4) Measure the width of the paper where the toner is shiny; see Figure 4-715.

8. Positioning the Paper Guide

The paper guide can be detached by pulling it to the front; the guide may be attached by reversing the steps for detachment. As a rule, the position of the paper guide need not be adjusted.

Note:
Do not detach the paper guide mount; the mount determines the position of the paper guide.
If the position of the paper guide must be adjusted, detach the upper and lower fixing rollers, and move the paper guide mount so that the distance from the lower stay is about 40.8 mm as shown in Figure 4-716.

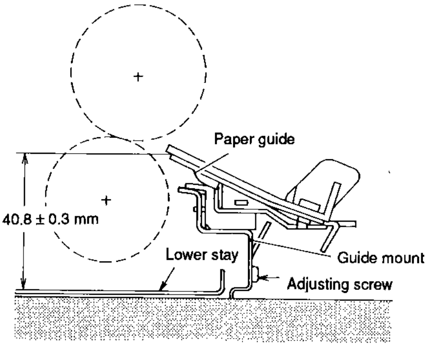


Figure 4-716

9. Lubrication

Apply heat-resisting grease (CK-0427) over the following on a periodical basis:

- engagement of gears (rear)
- engagement of gears of fixing assembly knob (front)

10. Impregnating the Lower Fixing Roller Cleaner with Silicone Oil

If the felt used for the lower fixing roller cleaner must be replaced in the field, impregnate it with oil to ensure good fixing.

a. Before Work

Make sure the following are available:

- Lower fixing roller cleaner (with new felt attached)
- Silicone oil (S-200; FY0-8202 or KF9-0400)

b. Impregnation

1) Impregnate the felt of the lower fixing roller cleaner with silicone oil (S-200; 6 cc); make sure the felt is soaked evenly.
2) Leave the cleaner more than 24 hours at 25°C (approx.) before use.

Note:
Do not use the cleaner immediately after impregnation; otherwise, the oil will seep into the fixing roller, causing faulty fixing and, in some cases, staining the copies.

B. Cleaning Assembly (fixing assembly)

1. Outline

The cleaning assembly is located at the top of the fixing assembly and serves to clean the upper roller by keeping a silicone-impregnated belt in contact with the upper roller.

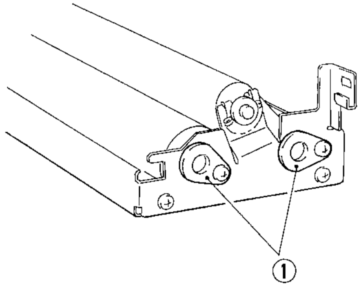
The belt is 15 m in length, and a red band is printed 2.5 m from its end.

Note:
Reset 'WEB' in the counter mode of the service mode upon each replacement of the cleaning belt.

2. Disassembly and Assembly

a. Detaching the Cleaning Belt

1) Detach the fixing assembly.
2) Remove the two mounting screws, and detach the cleaning assembly; see Figure 4-706.
3) Remove the screws (1 pc. each), and detach the two bushings from the cleaning assembly; then, detach the cleaning belt.



① Bushings

Figure 4-717

b. Attaching the Cleaning Belt

The service part for the cleaning belt consists of the feed shaft, take-up shaft, and belt, all constructed as a single entity.

Attach the cleaning belt by reversing the steps used for detaching it with the following in mind.

- Wind the belt around the take-up shaft two to three times; at the time, check that the section of the belt in contact with the roller is impregnated with oil.

Note:
Check that the belt is not askew and is free of slack or wrinkle.

c. Position of the Cleaning Belt Drive Solenoid (SL2)

Attach the solenoid so that the section shown in Figure 4-718 is 03.±0.1 mm when the lever is moved in the direction of A.

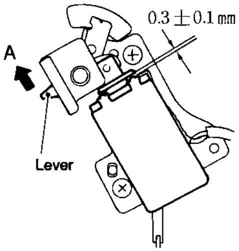


Figure 4-718

VIII. ELECTRICAL

A. DC Controller

The DC controller is equipped with a built-in battery (BAT101); keep the following in mind, as shorting both terminals of the battery can cause overheating.

1. When Detaching the DC Controller

- Detach it together with the shield plate.

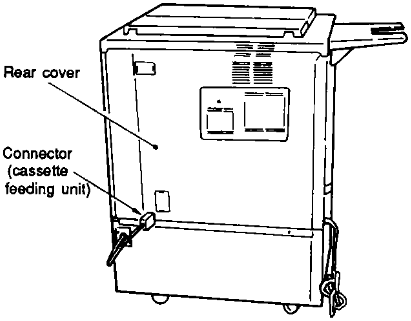
2. When Replacing the DC Controller

- When sending the DC controller for repair or relocation, keep it attached to the shield plate and protect it in a conductive bag. The conductive bag must be transparent on one side, and the DC controller put in it so that the face of the controller shows through the bag.
- After replacement, enter all settings in the service mode and the user mode all over again.

IX. CASSETTE FEEDING UNIT

A. Detaching the Copier from the Cassette Feeding Unit

1) Disconnect the copier's power plug.
2) Disconnect the cassette pedestal's connector from the copier.



① Rear cover ② Connector

Figure 4-901

3) Lift the copier using its four handles, and detach it from the cassette feeding unit.

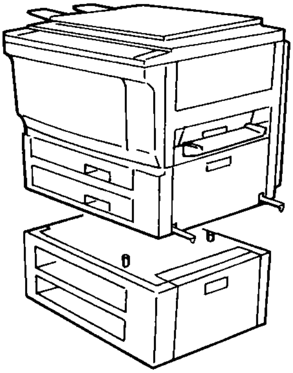


Figure 4-902

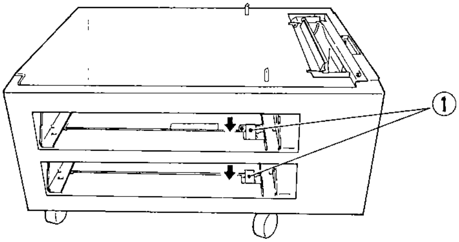
B. 3rd/4th Pick-Up Assembly

1. Detaching the 3rd/4th Pick-Up Assembly

1) Slide out the 3rd and 4th cassettes from the cassette pedestal.

Note:
Do not try to slide out the pick-up assembly with the cassette inside; otherwise, the lifter becomes hooked, preventing the detachment of both the pick-up assembly and the cassette.

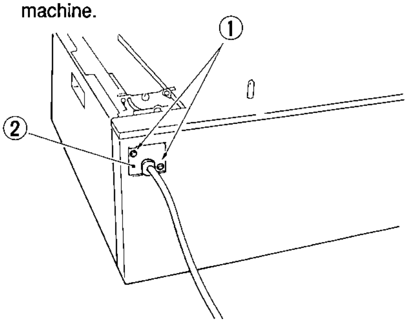
2) Push the lifter release arm into the direction of the arrow to lower the lifter.



① Lifter release arms

Figure 4-903

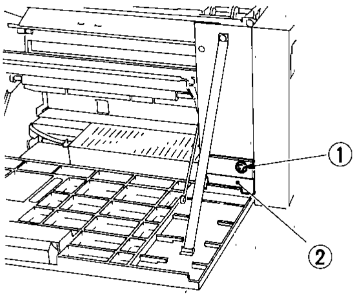
4) Disconnect the connector of the cassette pedestal from the copier.
5) Remove the two screws, and detach the connector mount; push the connectors inside the machine.



① Screws ② Connector mount

Figure 4-904

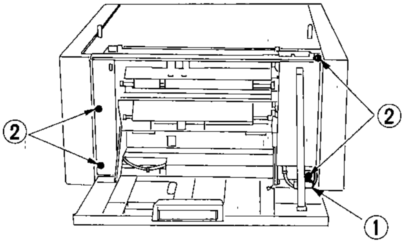
6) Open the lower right door, and detach the blanking plate.



① Screw ② Blanking plate

Figure 4-905

7) Disconnect the connector, and remove the four screws; then, detach the 3rd/4th pick-up assembly.



① Connector ② Screws (4 pcs.)

Figure 4-906

3. Detaching the 3rd and 4th Pick-Up Rollers

- Go through the steps given for the detachment of the 1st and the 2nd rollers of the copier's pick-up assembly; see III. "Feeder System."

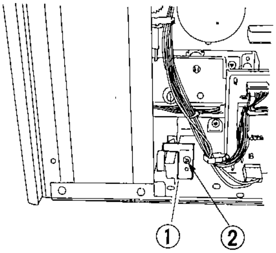
4. Detaching the 3rd and 4th Separation/Feeder Rollers

- Go through the steps given for the detachment of the 1st and 2nd separation/feeder rollers; see III. "Feeder System."

X. PAPER DECK PEDESTAL

A. Detaching the Deck (left/right) deck

1) Remove the five screws, and detach the rear cover of the paper deck.
2) Remove the screw, and detach the deck stop plate.



① Stop plate ② Screw

Figure 4-1000

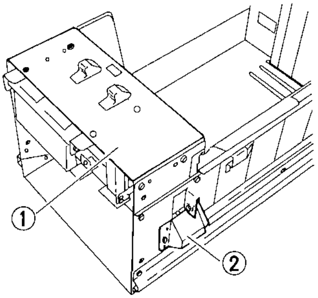
3) Detach the deck unit from the paper deck.

B. Detaching the Lifter Cable (left/right deck)

1) Detach the deck unit from the paper deck.
2) Remove the four screws, and detach the front cover.

Note:
Be sure to mark the position of the front stay before detaching it.

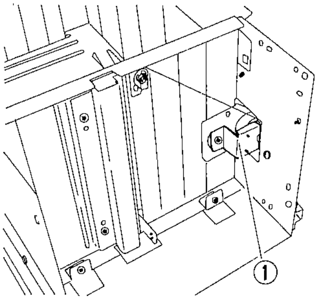
3) Remove the five screws, and detach the front upper stay and the gear cover.



① Front upper stay ② Gear cover

Figure 4-1001

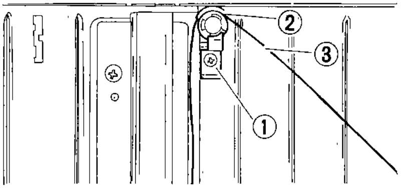
4) Remove the screw, and detach the damper.



① Damper

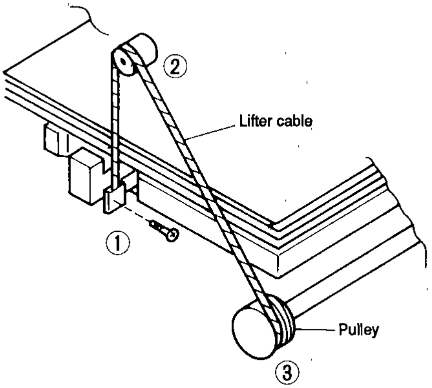
Figure 4-1002

5) Remove the E-ring, and detach the gear, pin, and pulley cover.
6) Detach the cable end from the pulley.
7) Remove the metal stop from the cable relay mount; then, detach the pulley cover and detach the cable from the pulley.



① Metal stop ③ Cable
② Pulley cover

Figure 4-1003



8) Remove the cable mounting screw from the lifter assembly.

Note:
Use the same steps to detach the rear cable. When routing the cable, make sure that the lifter is level over the front and the rear by adjusting the tension of the cable using the cable take-up pulley.

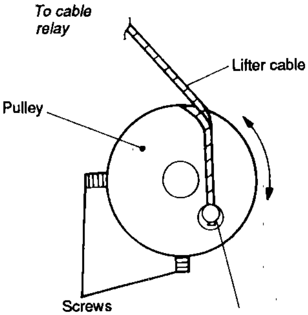
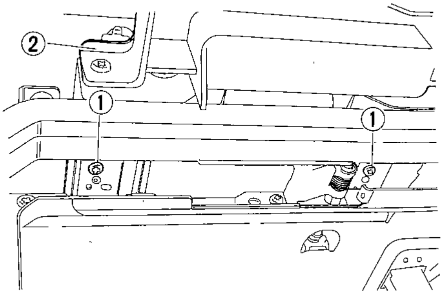


Figure 4-1004 Routing the Lifter Cable

C. Detaching the Left Feeder Assembly

1) Detach the right deck.
2) Detach the left deck.
3) Remove the two screws that hold the left feeder assembly in place.



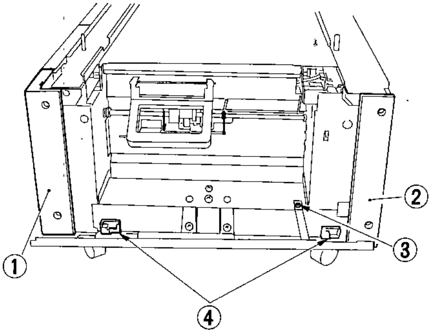
① Left feeder assembly
② Left feeder assembly stop screw

Figure 4-1005

4) Slide out the left feeder assembly to the front, and detach it from the paper deck.

D. Detaching the Right Pick-Up Unit

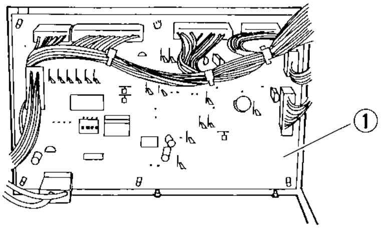
1) Detach the right deck from the paper deck.
2) Detach the left deck from the paper deck.
3) Detach the left feeder assembly.
4) Detach the front right cover and the rear right cover; then, remove the belt stop screw, and detach the two right door hinges.



① Front right cover
② Rear right cover
③ Right door belt stop screw
④ Right door hinges

Figure 4-1006

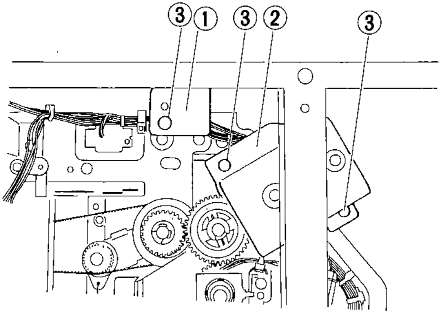
5) Disconnect the seven connectors, and remove the two screws; then, detach the deck controller PCB.



① Deck controller PCB

Figure 4-1007

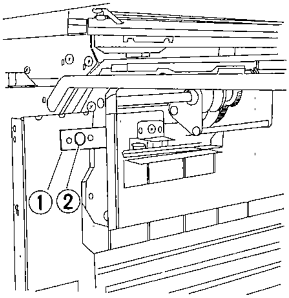
6) Remove the three screws, and detach the rear support plate and the left feeder shaft support plate.



① Rear support plate
② Left feeder shaft support plate
③ Screws

Figure 4-1008

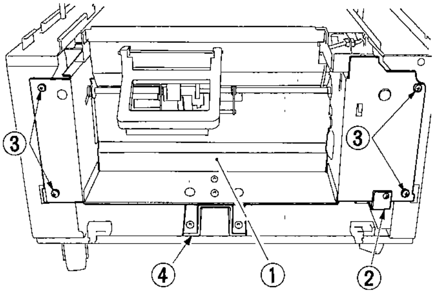
7) Remove the screw, and detach the front support plate.



① Front support plate ② Screw

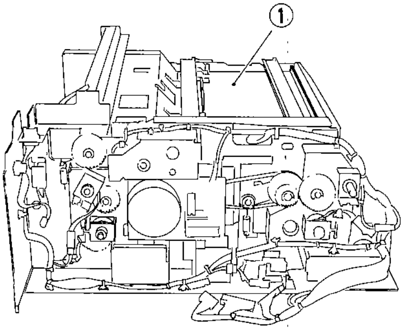
Figure 4-1009

8) Remove the screw, and detach the right pick-up stop plate.
9) Remove the support plate.
10) Remove the four unit fixing screws, and slide out the right pick-up unit.



① Right pick-up unit ③ Screws
② Right pick-up stop plate ④ Support plate

Figure 4-1010

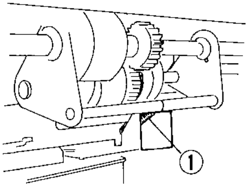


① Right pick-up unit

Figure 4-1011

E. Detaching the Right Separation Roller

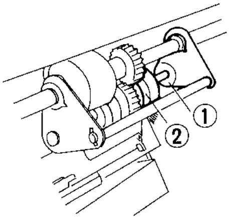
1) Open the right door.
2) Detach the shaft retainer spring.



① Shaft retainer spring

Figure 4-1012

3) Remove the two E-rings.



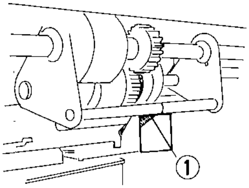
① E-ring ② Separation roller

Figure 4-1013

4) Detach the right separation roller together with its shaft.

F. Detaching the Left Separation Roller

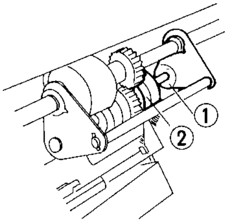
1) Detach the right pick-up unit.
2) Detach the shaft retainer spring.



① Shaft retainer spring

Figure 4-1014

3) Remove the two E-rings.



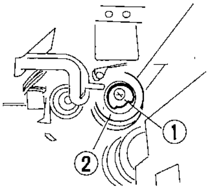
① E-ring ② Separation roller

Figure 4-1015

4) Detach the left separation roller together with its shaft.

G. Detaching the Right Feeder Roller

1) Detach the right deck from the paper deck.
2) Remove the E-ring.
3) Slide out the right feeder roller to the front.



① E-ring ② Right feeder roller

Figure 4-1016

Note:
The feeder roller has its own orientation; attach it as shown in Figure 4-1017.

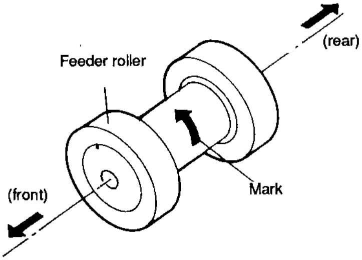
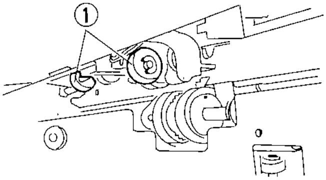


Figure 4-1017

H. Detaching the Right Pick-Up Roller

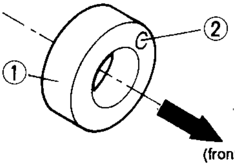
1) Detach the right deck from the paper deck.
2) Detach the pick-up roller from the collar.



① Pick-up roller

Figure 4-1018

The pick-up roller has its own orientation; attach it so that the mark on the roller is toward the front.

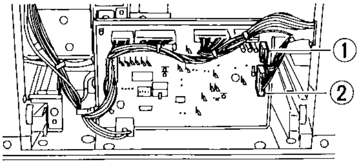


① Pick-up roller ② Mark

Figure 4-1019

I. Detaching the Left Pick-Up Unit

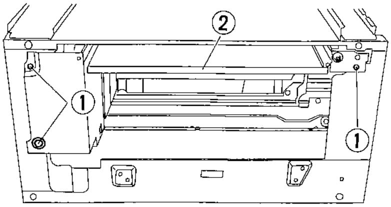
1) Detach the rear cover, and detach the left deck from the paper deck.
2) Disconnect J707 and J708 from the deck controller.



① J707 ② J708

Figure 4-1020

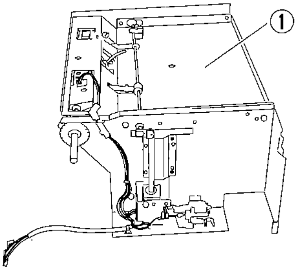
3) Remove the two screws, and detach the left feeder shaft support plate; see Figure 4-1008.
4) Remove the four screws, and detach the left cover.
5) Remove the three left pick-up unit fixing screws.



① Left pick-up unit fixing screws ② Left pick-up unit

Figure 4-1021

6) Slide out the left pick-up unit.

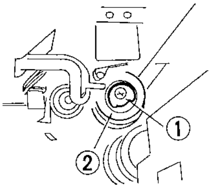


① Left pick-up unit

Figure 4-1022

J. Detaching the Left Feeder Roller

1) Detach the left deck from the paper deck.
2) Remove the E-ring.
3) Slide out the left feeder roller to the front.



① E-ring ② Left feeder roller

Figure 4-1023

Note:
The feeder roller has its own orientation; attach it as shown in Figure 4-1024

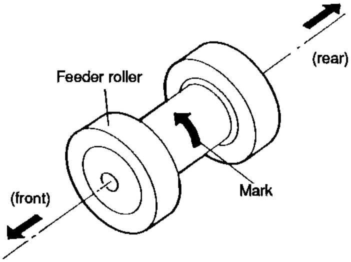
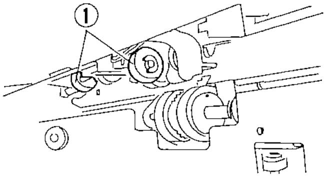


Figure 4-1024

K. Detaching the Left Pick-Up Roller

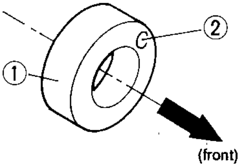
1) Detach the left deck from the paper deck.
2) Detach the pick-up roller from the collar.



① Pick-up roller

Figure 4-1025

The pick-up roller has its own orientation; attach it so that the mark on the roller is toward the front.



① Pick-up roller ② Mark

Figure 4-1026

I. CHOOSING THE SITE

It is important to keep the following in mind; if possible, visit the user in advance.

- Check to make sure that the wall outlet is dedicated only to the copier.
- Make sure that the site is kept between 15° and 30°C and its humidity is between 5% and 80%; avoid water faucets, water boilers, humidifiers, and refrigerators.
- Avoid open fires or areas subject to dust or ammonium gas; avoid direct sunlight* and install curtains if necessary.
  - * *Exposure to direct sunlight can disrupt the auto paper selection and auto reproduction selection mechanisms.*
- Make sure that the room is well ventilated.

Note:
The level of ozone generated by the copying machine is not likely to harm the health of those around it. The odor, however, may prove to be unpleasant to some individuals.

- Make sure that the machine's feet are in contact with the surface of the floor or the cassette feeding unit.
- Keep the machine at least 10 cm away from any wall, and provide space for access.

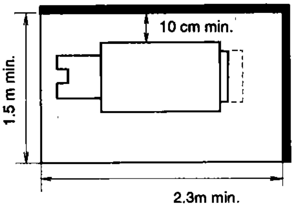


Figure 5-1

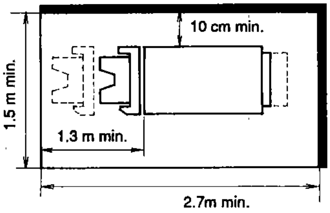
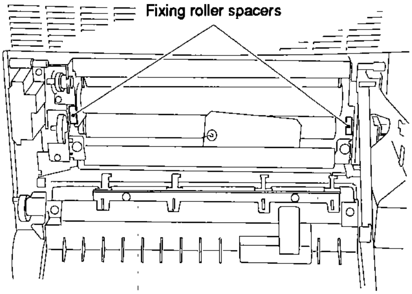


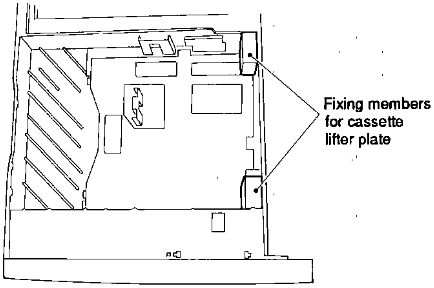
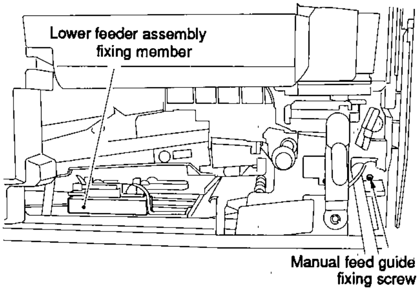
Figure 5-2 With Sorter

II. UNPACKING AND INSTALLATION

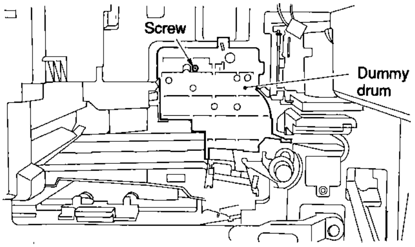
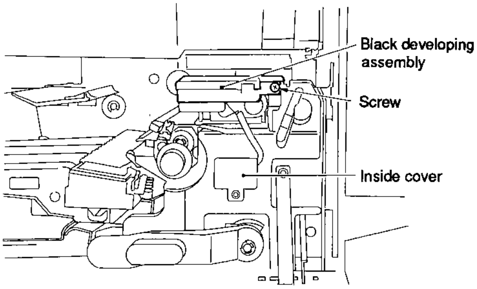
When a piece of metal is brought in from a cold place to a warm room, droplets of water can form on its surface. This phenomenon is called *condensation*, and copiers suffering from condensation may fail to produce images. If condensation is expected, leave the machine alone without unpacking for one hour or more and start the work after it has become fully used to the room conditions.

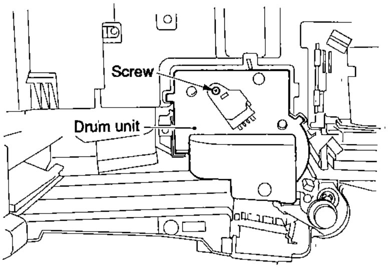
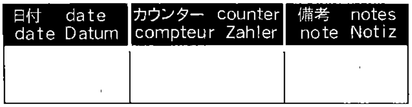
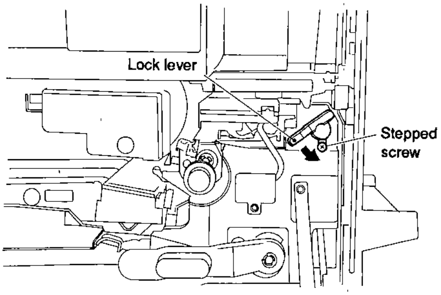
A. Unpacking

Step	Work	Checks/Remarks
1	Open the shipping box.	
2	Pull out the four handles from the machine, and lift off the machine from the skid.	If the cassette pedestal is to be attached, place the copier on the pedestal. For installation of the cassette pedestal, see the CASSETTE PEDESTAL INSTALLATION PROCEDURE, which comes with the pedestal.
3	Open the cardboard box, and take out the parts and materials.	Make sure that the following are available: • Drum unit • Copy tray • OPERATOR'S MANUAL • Document tray • Screw (for document tray)
4	Open the front door and the delivery door, and detach the two fixing roller spacers.	
5	Close the front door and the delivery door.	

Step	Work	Checks/Remarks
6	Detach the cassette, and detach the fixing member from the cassette lifter plate. (Do not set the cassette as yet; keep it next to the machine.)	 Fixing members for cassette lifter plate
7	Open the front door; then, detach the fixing member from the lower feeder assembly, and remove the fixing screws from the manual feed guide. **Note:** Put away the screws; they will not be used for the installation.	 Lower feeder assembly fixing member Manual feed guide fixing screw

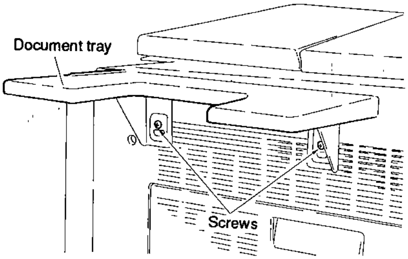
B. Installing the Drum Unit

Step	Work	Checks/Remarks
1	Open the hopper.	
2	Release the feeder assembly, and remove the mounting screw and the tape that holds the separation claw in place; then, detach the dummy drum. **Note:** Keep the screw; it will be used for installation of the drum unit.	
3	Detach the dustproof glass, and clean it using lint-free paper; thereafter, attach the glass.	
4	Detach the pre-transfer corona assembly, and clean the corona wire.	Do not attach the assembly yet.
5	Close the hopper, disconnect the connector behind the inside cover, and remove the mounting screw; then, detach the developing assembly. Check to make sure that the developing cylinder is free of damage.	
6	Take out the drum unit from its box while taking care not to damage its surface.	See the Notes on Handling the Drum Unit, which comes with the drum unit.

Step	Work	Checks/Remarks
7	Open the hopper, insert the drum unit into the machine; then, fix the drum unit in place using the screw removed in step 2.	• The drum separation claw will be released automatically when the drum unit is inserted; do not touch the separation claw. • After installing the drum unit, make sure that the drum separation claw is in contact with the drum. 
8	Record necessary information on the label, and attach it on the front cover of the drum unit.	 日付 date date Datum | カウンター counter compteur Zahler | 備考 notes note Notiz
9	Attach the black developing assembly to the copier, and fix it in place using a mounting screw; then, connect the connector. Attach the inside cover.	
10	Remove the stepped screw, and engage the black developing assembly by turning the lock lever counterclockwise; then, fit the stepped screw back into its original position to fix the lock lever in place.	

C. Starting the Machine, and Setting the User Mode

Step	Work	Checks/Remarks
1	Attach the pre-transfer corona assembly, and attach the feeder assembly.	
2	Connect the power plug into the power outlet.	
3	Insert the door switch actuator into the door switch, and press the power switch to the 'ON' position.	• Press the keys on the numeric keypad and the CLEAR key, and check that the copy count is correct. • Press other keys to make sure that other keys also operate correctly.
4	Put black toner into the hopper after the WAIT indication goes OFF.	E020 is indicated if toner is supplied during warm-up.
5	Make sure that the developing assembly is engaged properly before supplying the assembly with toner in step 7.	**Note:** Do not supply the developing assembly with toner without engaging the assembly; otherwise, the drive system of the hopper may be damaged.
6	Close the hopper.	Be sure to close the hopper; otherwise, its drive mechanism may become damaged.
7	Press the service mode switch (SW501); select 'TONER_S' service mode (* 4 *); then press the OK key to supply the developing assembly with toner.	The machine operates for about 7 min (max.) to supply the developing assembly with toner; steps 8 through 11 may be performed during this period. **Note:** Do not switch the machine OFF or remove the door switch actuator while the machine is operating.
8	Set the asterisk modes and 'USER OPTION' settings in the the service mode (* 5 *) to suit the needs of the user.	• Weekly Timer • Auto Clear Time • Time/Date
9	Set the cassette to the desired size by re-arranging the guide plate and tabs, and attach the size label.	See E. "Changing the Cassette Size."
10	Put paper into the cassette, and slide the cassette into the machine.	

Step	Work	Checks/Remarks
11	Fix the document tray, and tighten the screws temporarily; position the document tray, and then tighten the screws fully.	
12	Attach the copy tray.	

D. Checking the Images and Operations

Step	Work	Checks/Remarks
1	Set the Test Sheet on the copyboard, and make a copy; then, check the copy image.	• Make sure that no abnormal noise is heard. • Check copy images for each fixed reproduction ratio. • Make sure that the copying operation is normal for different copy counts.
2	Make copies in the manual mode.	• Make sure that the copying operation is normal.
3	Remove the door switch actuator, and close the front door.	
4	Check to make sure that all covers are free of deformation and damage.	
5	Clean up the site.	
6	Move the machine to the installation site.	Make sure that the machine is more or less level.
7	Fill out the Service Sheet.	

E. Changing the Cassette Size

Change the cassette size to suit the user's needs.

1) Slide out the cassette.
2) Relocate the tabs at the rear of the cassette as shown in the diagram.
3) Move the guide plate inside the cassette to suit the paper size; then, fix the guide temporarily.
4) Allow a gap of 1 to 2 mm between the paper and the guide plate, and fix the guide plate in place.
5) Replace the size label on the cassette.
6) Set the cassette.

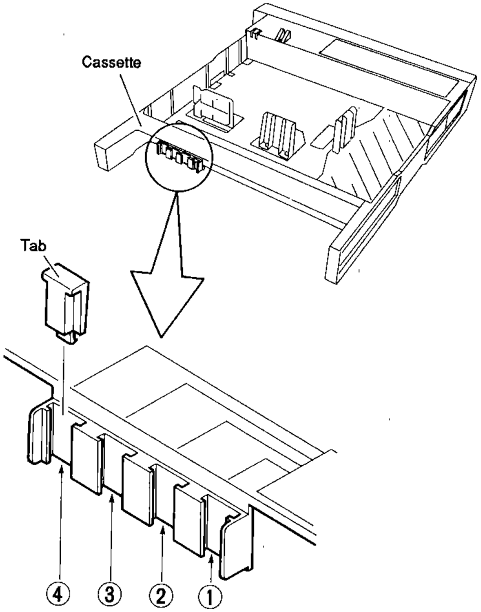


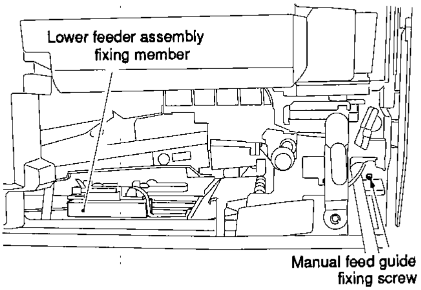
Figure 5-3

Copy Paper Size	Tab No.			
	④	③	②	①
B5	☐			
U-L2		☐		
A4	☐	☐		
B5-R			☐	
B4	☐		☐	
A4-R		☐	☐	
A3	☐	☐	☐	
U-S1				☐
U-S2	☐			☐
U-L1		☐		☐
LTR	☐	☐		☐
STMT			☐	☐
LGL	☐		☐	☐
LTR-R		☐	☐	☐
11x17	☐	☐	☐	☐

☐ . . . . . tab present.

III. RELOCTING THE MACHINE

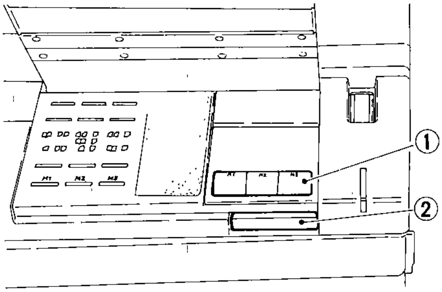
Go through the steps below before relocating the machine by truck or other means of transportation.

Step	Work	Checks	Remarks
1	Detach the drum unit.	Put the drum unit in its box for protection.	
2	Screw the manual feed guide in place.	 Lower feeder assembly fixing member Manual feed guide fixing screw	
3	Attach the dummy drum.		
4	Tape the corona assemblies, feeder assembly release lever, and lower feeder assembly release lever to protect against vibration.		
5	Tape the front door and the delivery assembly cover in place.		
6	Place a single sheet of A3 copy paper on the copyboard glass, and tape the copyboard cover in place.		

Note: If the truck is not equipped with a lifter, i.e., if the copier needs to be lifted, detach the copier from the cassette pedestal before doing so. (See CHAPTER 4.)

IV. ATTACHING CONTROL CARD V

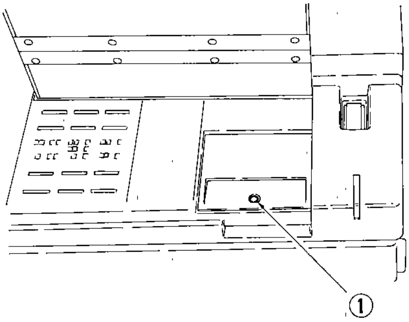
1) Open the front door, and detach the inside left cover.
2) Detach the control panel assembly; see p. 4-3.
3) Detach the blanking plate from the control card slit.
4) Detach the transparent MOMO sheet.



① Transparent MEMO sheet
② Blanking plate

Figure 5-4

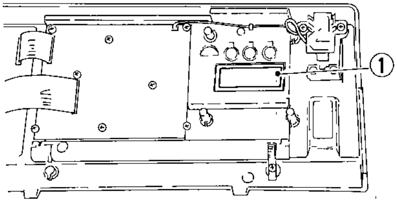
5) Remove the screw from the blanking cover.



① Screw

Figure 5-5

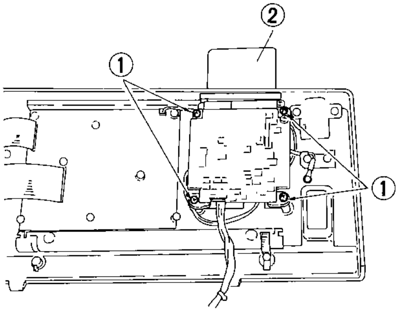
6) Turn over the control panel, and detach the blanking plate.
7) Detach the protection sheet from the transparent sheet.
8) Place the transparent sheet over the hole of the display.



① Transparent sheet

Figure 5-6

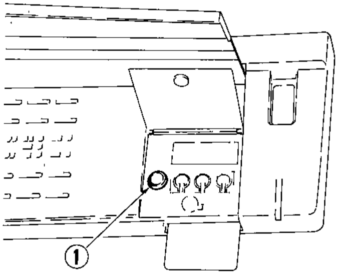
9) Detach the protection sheet from the display of Control Card V.
10) Fix Control Card V to the control panel using four mounting screws. Slide in and out a card into Control Card V; fix Control Card V at a point where the card may be slid in and out smoothly.



① Mounting screws ② Control card

Figure 5-7

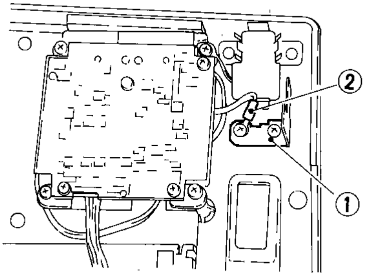
- Check that the connector for the printer is centered over the hole.



① Connector for printer

Figure 5-8

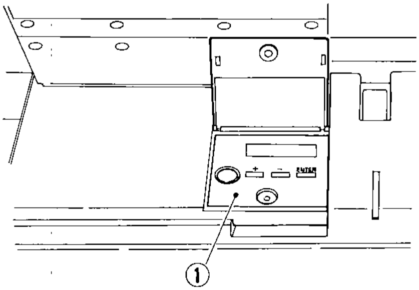
11) Fix the grounding wire of Control Card V to the metal fixing using the screw (M3×10) that comes with the unit.



① Metal fixing
② Grounding wire

Figure 5-9

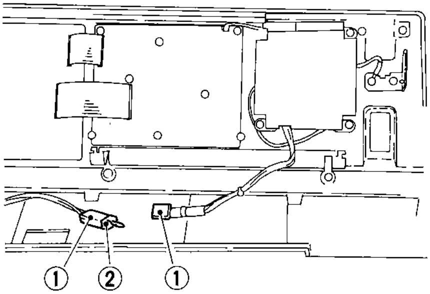
12) Detach the protection sheet from the operation guide of Control Card V.
13) Attach the operation guide of Control Card V to the copier's control panel.



① Operation guide

Figure 5-10

14) Attach the control panel to the copier.
15) Attach the transparent sheet removed in step 4).
16) Disconnect the shorting connector shown in Figure 5-11.
17) Connect the 4P connector of Control Card V and the 4P connector of the copier.



① 4P connector ② Shorting connector

Figure 5-11

18) Switch the copier ON, and check the operation of Control Card V.
19) Attach the inside right cover.

I. PERIODICALLY REPLACED PARTS

Some parts of the machine must be replaced on a periodically basis to maintain the machine's original performance; replace them as shown even if they do not show signs of wear or damage. Arrange the replacement so that it coincides with a scheduled visit.

as of JAN. 1993

No.	Parts name	Parts No.	Q'ty	Estimated life (copies)	Remarks
1	Corona wire (primary, pre-transfer, transfer, separation)	FY3-0030-000	—	60,000	100V
		FY3-0040-000	—	60,000	115/230V
2	Pre-transfer corona assembly	FG1-8040-040	1	120,000	to prevent leakage to block.
3	Ozone filter (heat exhaust fan)	FB1-5681-000	1	210,000	or 1 yr.
4	Ozone filter (feeder fan)	FB1-6044-000	1	210,000	or 1 yr.
5	Filter (scanner cooling fan)	FA5-3010-000	1	210,000	or 1 yr.

The values above are estimates only and subject to change based on field data.

II. DURABLE PARTS

Some parts of the machine may become worn or damaged over the machine's warranty period; replace them as necessary.

A. Copier

as of JAN. 1993

No.	Parts name	Parts No.	Q'ty	Estimated life (copies)	Remarks
1	Scanning lamp	FH7-3246-000	1	120,000	100/115V
		FH7-3247-000	1	120,000	230V
2	Pick-up roller (pick-up assembly)	FA5-2854-020	4	120,000	
3	Feeder roller (pick-up assembly)	FA5-2933-000	2	120,000	
4	Separation roller (pick-up assembly)	FA5-2867-000	2	120,000	
5	Drum separation claw	FA3-8577-030	4	120,000	
6	Transfer/Separation corona wire cleaner	FF5-0940-000	1	120,000	
7	Lower roller cleaner (fixing assembly)	FF2-0175-020	1	120,000	
8	Lower roller (fixing assembly)	FB1-5921-000	1	210,000	
9	Upper separation claw (fixing assembly)	FA9-0451-000	4	210,000	
10	Lower separation claw (fixing assembly)	FA2-9037-000	4	210,000	
11	Insulating bushing (fixing assembly)	FB1-5928-000	2	210,000	
12	Cleaning belt (fixing assembly)	FA3-8908-000	1	300,000	depends on length of copy paper.
13	Pre-exposure lamp	FH7-3232-000	1	210,000	
14	Registration roller (lower)	FA5-3120-000	1	300,000	
15	Developing cylinder (black developing assembly)	FA5-2594-000	1	300,000	
16	Developing drive gear (black developing assembly)	FS3-0041-000	1	300,000	
17	Upper roller (fixing assembly)	FB1-5948-000	1	510,000	

No.	Parts name	Parts No.	Q'ty	Estimated life (copies)	Remarks
18	Halogen heater (fixing assembly)	FH7-4255-000	1	510,000	100V
		FH7-4256-000	1	510,000	115V
		FH7-4297-000	1	510,000	230V
19	Scanner drive cable	FB1-6086-000	1	510,000	
20	Ball bearing (upper fixing roller)	XG9-0181-000	2	510,000	
21	Ball bearing (lower fixing roller)	XG9-0208-000	2	510,000	
22	Oil pad (front)	FA5-3215-000	1	510,000	Impregnate with oil (CK-0451); make sure the oil will not drip.
23	Oil pad (rear)	FA5-3216-000	1	510,000	
24	Lower feed roller (rower)	FB1-5975-030	1	510,000	

The values above are estimates only and subject to change based on field data.

B. Cassette Feeding Unit

as of JAN. 1993

No.	Parts name	Parts No.	Q'ty	Estimated life (copies)	Remarks
1	Pick-up roller	FA5-2854-020	4	120,000	
2	Feeder roller	FA5-2933-000	2	120,000	
3	Separation roller	FA5-2867-000	2	120,000	

The values above are estimates only and subject to change based on field data.

C. Paper Deck Pedestal

as of JAN. 1993

No.	Parts name	Parts No.	Q'ty	Estimated life (copies)	Remarks
1	Pick-up roller	FA5-2854-020	4	120,000	
2	Feeder roller	FL9-0015-000	2	120,000	
3	Separation roller	FL9-0010-000	2	120,000	

The values above are estimates only and subject to change based on field data.

III. PERIODICAL SERVICING

Note:
i. As a rule, go over the steps every 300,000 copies.
ii. Check the Service Work Sheet before each visit; take replacement parts if replacement is expected.

No.	Work	Checks	Remarks
1	Meet the person in charge.	Check the general condition.	
2	Record the counter reading.	Check the faulty copies.	
3	Make test copies: DIRECT, REDUCE, ENLARGE, page separation, two-sided, overlay	Check the following: a. density of image b. dirt on background c. clarity of characters d. margin along leading edge e. margin on left/right f. fixing, blurring, soiling (back) g. abnormal noise h. counter operation	standards: 2.5 ± 1.5 mm (DIRECT) standards: 2.0 ± 1.0 mm (DIRECT)
4	Clean the pre-transfer corona assembly; do NOT clean the primary, transfer, and separation corona assembly.		Dry wipe the assembly; then, use alcohol solution.
5	Clean the transfer guide.		Detach the drum unit.
6	Clean the separation/feeder assembly. • separation claw • feeder belt • duplexing unit feeder guide.		Attach the drum unit after cleaning.
7	Clean the fixing/delivery assembly. • paper guide • separation claw (upper, lower) • cleaning belt (check)		Use cleaning oil. (TKN-0464)
8	Perform periodical servicing according to the number of copies made.		
9	Clean the copyboard cover and the copyboard glass.		Use alcohol.
10	Make test copies.		
11	Make sample copies.		

No.	Work	Checks	Remarks
12	Put the sample copies in order, and clean up the area.		
13	Record the counter reading.		
14	Fill out the Service Sheet, and report to the person in charge.		

IV. PERIODICAL SERVICING CHART

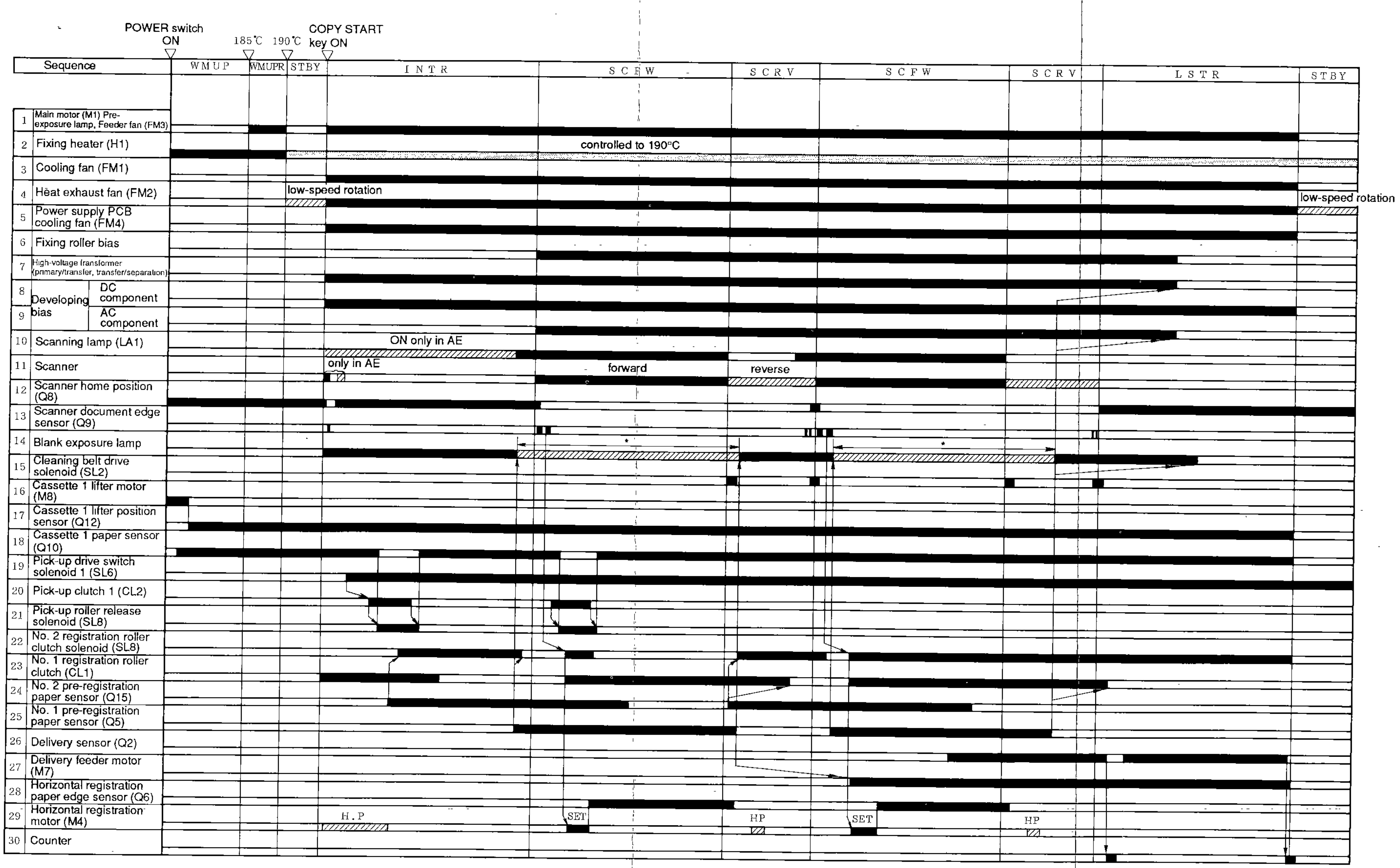
Note:
Do not use solvents and oils other than those specified.

△: Clean ●: Replace ×: Oil □: Adjust ◎: Inspect

Unit	Parts	Maintenance intervals					Remarks
		every 30,000	every 60,000	every 120,000	every 210,000	every 510,000	
Externals	Copyboard glass	△					
	Ozone filter				●		or 1 yr.
	Scanner fan filter				●		
Scanner drive assembly	Scanner rail			△×			Clean it using alcohol solution; then, apply oil (TKN-0451).
Transfer/ Separation/ Feeder assembly	Transfer guide plate (upper, lower)	△					Use a moist cloth.
	Transfer/Separation corona assembly rail	△					
	Feeder belt, Feeder Guide plate	△					
Scanner	No.1 through No.6 mirrors	△					Use a blower brush; if necessary, use alcohol solution.
	Dust-proof glass	△					
	Lens	△					Use a blower brush.
	Reflector for scanning lamp	△					
	Side reflector for scanning lamp	△					
Corona assembly	Primary corona assembly	△					Do NOT clean the primary corona wire.
	Pre-transfer corona assembly	△		●			Dry wipe it using lint-free paper; then, use alcohol solution. Do NOT use water.
	Primary corona assembly grid wire	△					
	Shield plate, Block (primary, pre-transfer, transfer, separation)	△					
	Corona wire (primary, pre-transfer, transfer, separation)		●				Do NOT clean the corona wires.
Fixing assembly	Upper/Lower roller	△					Use cleaning oil (TKN-0464)
	Separation claw	△					Use solvent.
	Papter guide	△					

A. GENERAL TIMING CHART

(A4, 2 copies; DIRECT, one-sided document to one-sided copy; pick-up from 1st cassette)



* Varies dependingon the selected copy mode.

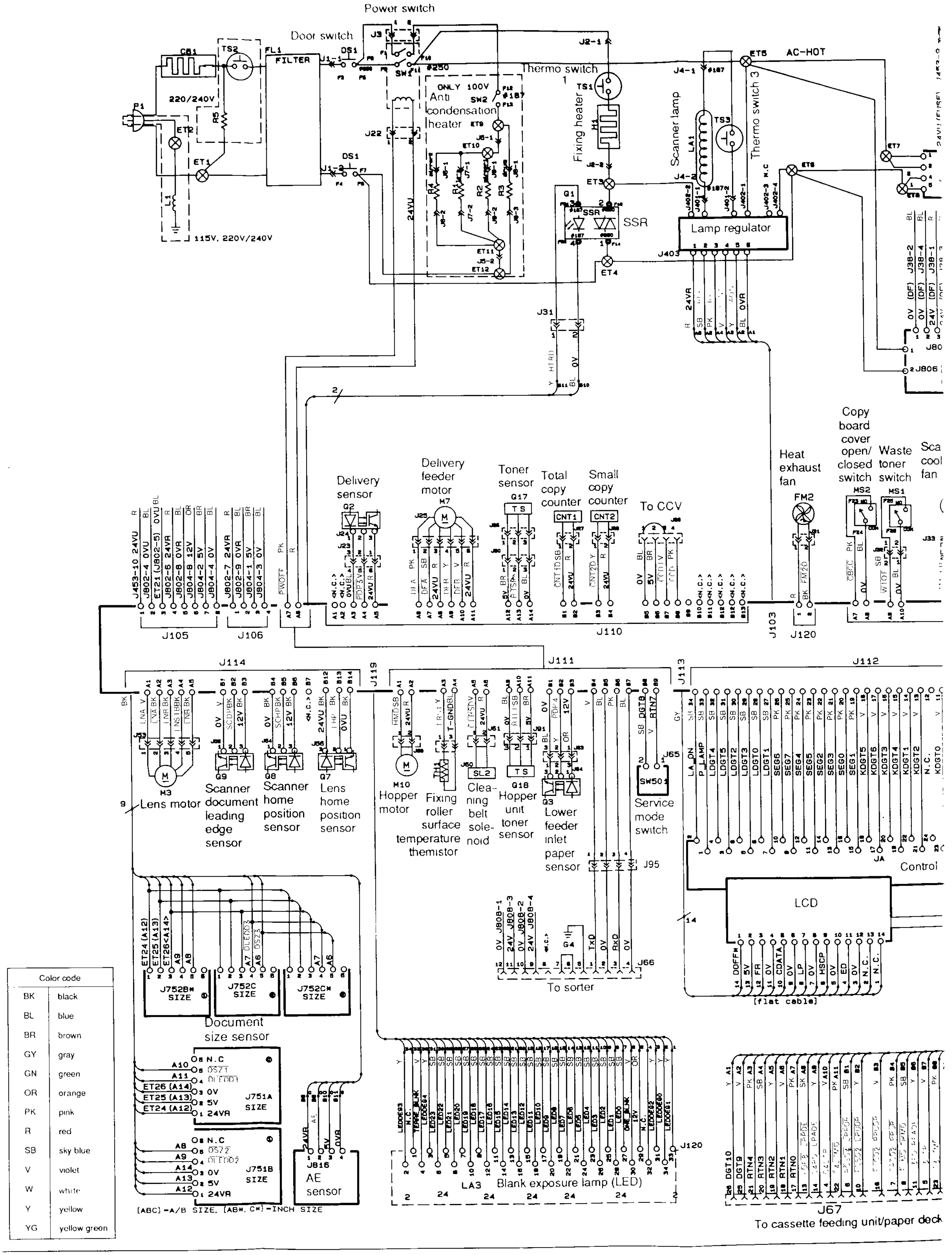
B. LIST OF SIGNALS/COMMANDS

1. SIGNALS/COMMANDS

AE	AE SENSOR OUTPUT SIGNAL (ANALOG)
BTEP	BLACK TONER OUT SIGNAL
BTSP	BLACK TONER SUPPLY SIGNAL
BUSY	BUSY SIGNAL
C1LTMD	CASSETTE 1 LIFTER MOTOR DRIVE COMMAND
C2LTMD	CASSETTE 2 LIFTER MOTOR DRIVE COMMAND
C3LTMD	CASSETTE 3 LIFTER MOTOR DRIVE COMMAND
C4LTMD	CASSETTE 4 LIFTER MOTOR DRIVE COMMAND
C1LTP	CASSETTE 1 LIFTER POSITION SIGNAL
C2LTP	CASSETTE 2 LIFTER POSITION SIGNAL
C3LTP	CASSETTE 3 LIFTER POSITION SIGNAL
C4LTP	CASSETTE 4 LIFTER POSITION SIGNAL
C1PD	CASSETTE 1 PAPER DETECTION SIGNAL
C2PD	CASSETTE 2 PAPER DETECTION SIGNAL
C3PD	CASSETTE 3 PAPER DETECTION SIGNAL
C4PD	CASSETTE 4 PAPER DETECTION SIGNAL
CBCC	COPYBOARD COVER CLOSED SIGNAL
CCD	CONTROL COUNTER DRIVE COMMAND
CCDT	CONTROL COUNTER DETECTION SIGNAL
CLBSD	CLEANING BELT DRIVE SOLENOID DRIVE COMMAND
CNT1D	COUNTER 1 DRIVE COMMAND
CNT2D	COUNTER 2 DRIVE COMMAND
CRGA	CROSS FEED REGISTRATION MOTOR DRIVE PULSE COMMAND A
CRGB	CROSS FEED REGISTRATION MOTOR DRIVE PULSE COMMAND B
CRGSTB	CROSS FEED REGISTRATION MOTOR STROBE SIGNAL
DFA	DELIVERY FEED MOTOR DRIVE PULSE COMMAND A
DFB	DELIVERY FEED MOTOR DRIVE PULSE COMMAND B
DKMD	DECK MOTOR DRIVE COMMAND
DLEDD1	DOCUMENT SIZE DETECTION LED DRIVE COMMAND 1
DLEDD2	DOCUMENT SIZE DETECTION LED DRIVE COMMAND 2
DLEDD3	DOCUMENT SIZE DETECTION LED DRIVE COMMAND 3
MMD	MAIN MOTOR DRIVE COMMAND
DSZ1	DOCUMENT SIZE DETECTION SIGNAL 1 (ANALOG)
DSZ2	DOCUMENT SIZE DETECTION SIGNAL 2 (ANALOG)
DSZ3	DOCUMENT SIZE DETECTION SIGNAL 3 (ANALOG)
FM1D	SCANNER INTAKE FAN (FM1) DRIVE COMMAND
FM2D	EXHAUST FAN (FM2) DRIVE COMMAND
FM3D	FEED FAN (FM3) DRIVE COMMAND
FM4D	POWER SUPPLY PCB COOLING FAN (FM4) DRIVE COMMAND
FM4ON	POWER SUPPLY PCB COOLING FAN (FM4) ON SIGNAL
FRST	FIXING ROLLER SURFACE TEMPERATURE SIGNAL (ANALOG)
HMD	HOPPER MOTOR DRIVE COMMAND
HTRD	HEATER DRIVE COMMAND
HVAC	AC TRANSFORMER DRIVE COMMAND
HVBAC	AC DEVELOPING BIAS DRIVE COMMAND
HVBDC	DC DEVELOPING BIAS CONTROL COMMAND (ANALOG)
HVGB	GRID BIAS CONTROL COMMAND (ANALOG)
HVPR	PRIMARY CORONA CURRENT CONTROL COMMAND (ANALOG)
HVPT	PRE-TRANSFER CORONA CURRENT CONTROL COMMAND (ANALOG)
HVSP	SEPARATION CORONA CURRENT CONTROL COMMAND (ANALOG)
HVTR	TRANSFER CORONA CURRENT CONTROL COMMAND (ANALOG)
LAON	SCANNING LAMP ON SIGNAL
LDDE	LEFT DECK DETECT COMMAND
LHP	LENS HOME POSITION SIGNAL
LINT	LIGHT INTENSITY SIGNAL (ANALOG)
LLDR	LEFT LIFTER CLUTCH DRIVE COMMAND
LLPDE	LEFT LIFTER POSITION DETECT SIGNAL
LLUL	LEFT LIFTER UPPER LIMIT SIGNAL
LNA	LENS MOTOR DRIVE PULSE COMMAND A
LNB	LENS MOTOR DRIVE PULSE COMMAND B
LNSTB	LENS MOTOR STROBE SIGNAL
LPADE	LEFT PAPER DETECT SIGNAL
LPPDE	LEFT PAPER PATH PAPER DETECTION SIGNAL
LPPDR	LEFT PAPER PATH CLUTCH DRIVE COMMAND
LPUDR	LEFT PAPER PICK-UP CLUTCH DRIVE COMMAND
LPURL	LEFT PAPER PICK-UP ROLLER RELEASE SOLENOID COMMAND
LRD	LAMP REGULATOR DRIVE COMMAND
LTDWN	LIFTER DOWN COMMAND
LF1A	LOWER FEED MOTOR 1 DRIVE PULSE COMMAND A
LF1B	LOWER FEED MOTOR 1 DRIVE PULSE COMMAND B
LF1STB	LOWER FEED MOTOR 1 STROBE SIGNAL
LF2A	LOWER FEED MOTOR 2 DRIVE PULSE COMMAND A
LF2B	LOWER FEED MOTOR 2 DRIVE PULSE COMMAND B
LF2STB	LOWER FEED MOTOR 2 STROBE SIGNAL
M2CLK	SCANNER MOTOR (M2) CLOCK SIGNAL
M2LK	SCANNER MOTOR (M2) PLL LOCK SIGNAL
MFDC	MANUAL FEED DOOR CLOSED SIGNAL
MFPD	MANUAL FFED PAPER DETECTION SIGNAL
MFSSD	MANUAL FEED SHUTTER SOLENOID DRIVE COMMAND
PCLHP	PRIMARY CORONA WIRE CLEANER HP SIGNAL
PCLMF	PRIMARY CORONA WIRE CLEANER FW COMMAND
PCLMR	PRIMARY CORONA WIRE CLEANER RV COMMAND
PCLRP	PRIMARY CORONA WIRE CLEANER RP SIGNAL
RDP	PAPER DETECTION SIGNAL
RDP1	PAPER DETECTION SIGNAL 1
RDP2	PAPER DETECTION SIGNAL 2
RDP3	PAPER DETECTION SIGNAL 3
RDP4	PAPER DETECTION SIGNAL 4
RDP5	PAPER DETECTION SIGNAL 5
RDP6	PAPER DETECTION SIGNAL 6
RDP7	PAPER DETECTION SIGNAL 7
RDP8	PAPER DETECTION SIGNAL 8
PDPD	PAPER DETECTION SIGNAL
PEXP	PRE-CONDITIONING EXPOSURE LAMP LIT COMMAND
PRSD1	PICK-UP ROLLER RELEASE SOLENOID 1 DRIVE COMMAND
PRSD2	PICK-UP ROLLER RELEASE SOLENOID DRIVE COMMAND
PSSD1	PICK-UP DRIVE SELECT SOLENOID 1 DRIVE COMMAND
PSSD2	PICK-UP DRIVE SELECT SOLENOID 2 DRIVE COMMAND
PUCD1	PICK-UP ROLLER CLUTCH 1 DRIVE COMMAND
PUCD2	PICK-UP ROLLER CLUTCH 2 DRIVE COMMAND
PUMD	PICK-UP ROLLER MOTOR DRIVE COMMAND
PWOFF	POWER SWITCH OFF COMMAND
RDDE	RIGHT DECK DETECTION SIGNAL
RGCD1	REGISTRATION ROLLER 1 CLUTCH DRIVE COMMAND
RGCD3	REGISTRATION ROLLER 3 CLUTCH DRIVE COMMAND
RGCD2	REGISTRATION ROLLER 2 CLUTCH SOLENOID DRIVE COMMAND
RGSD4	REGISTRATION ROLLER 4 CLUTCH SOLENOID DRIVE COMMAND
RLDC	RIGHT LOWER DOOR CLOSED SIGNAL
RLDR	RIGHT LIFTER CLUTCH DRIVE COMMAND
RLPDE	RIGHT LIFTER POSITION DETECTION SIGNAL
RLUL	RIGHT LIFTER UPPER LIMIT SIGNAL
RPADE	RIGHT PAPER DETECTION SIGNAL
RPUDR	RIGHT PAPER PICK-UP CLUTCH DRIVE COMMAND
SPURL	RIGHT PAPER PICK-UP ROLLER RELEASE SOLENOID COMMAND
SCCLK	SCANNER SPEED CONTROL COMMAND
SCDP	SCANNER AT LEADING EDGE POSITION SIGNAL
SCFW	SCANNER FORWARD COMMAND
SCHP	SCANNER HOME POSITION SIGNAL
SCMD	SCANNER MOTOR DRIVE COMMAND
SDODE	SIDE DOOR DETECT SIGNAL
SRER	SSR ERROR SIGNAL
TCLMF	TRANSFER/SEPARATION CORONA WIRE CLEANER FW COMMAND
TCLMR	TRANSFER/SEPARATION CORONA WIRE CLEANER RV COMMAND
TWSCHP	TRANSFER/SEPARATION CORONA WIRE CLEANER HP SIGNAL
TSCRP	TRANSFER/SEPARATION CORONA WIRE CLEANER RP SIGNAL
WTOF	EXCESS WASTE TONER SIGNAL

2. LIST OF ABBREVIATIONS

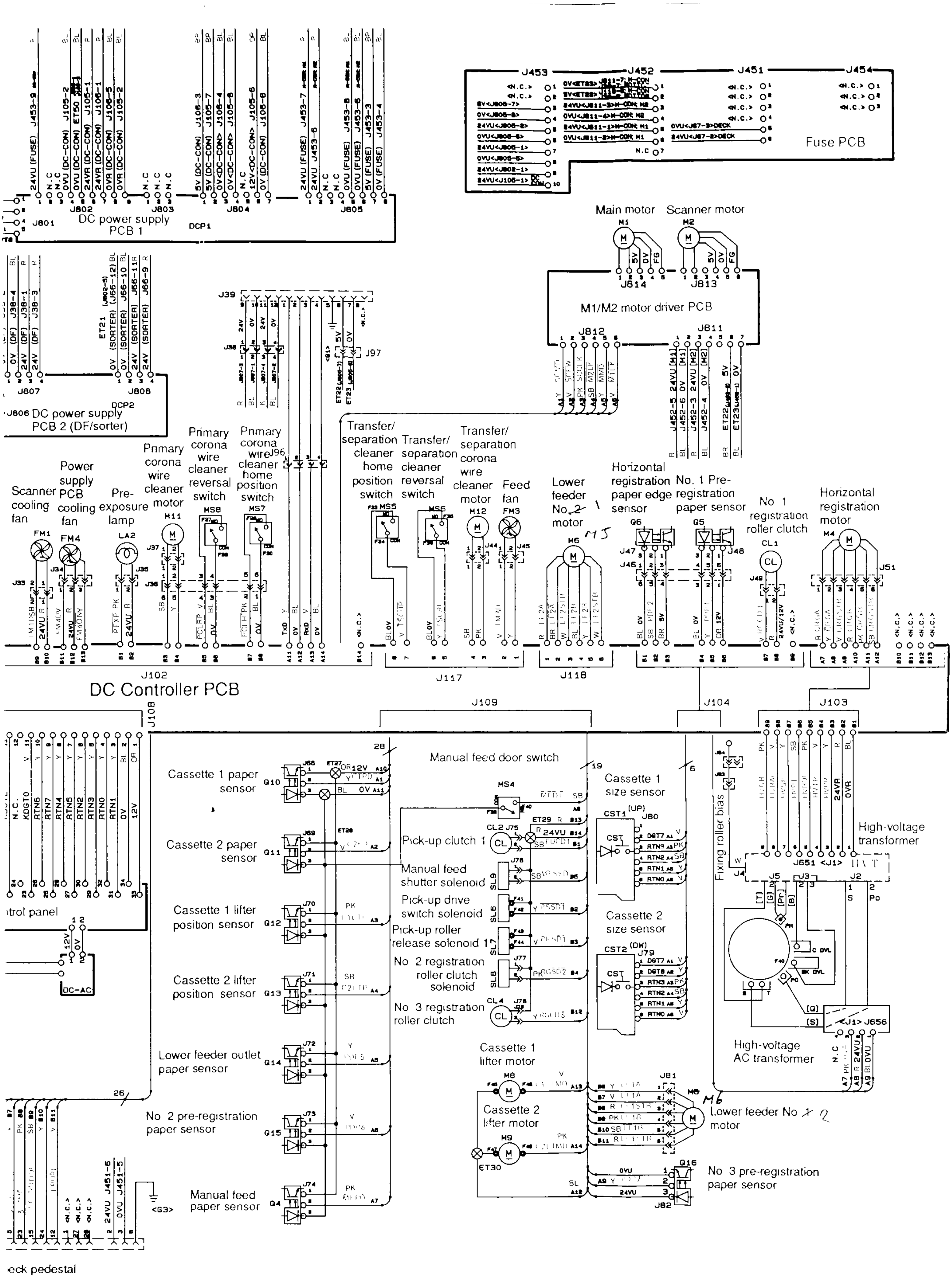
INTR	INITIAL ROTATION
LSTR	LAST ROTATION
PFR	PAPER FEED ROTATION
SCFW	SCANNER FORWARD
SCRV	SCANNER REVERSE
STBY	STANDBY
WAIT	WAIT
WMUP	WARM UP
WMUPR	WARM UP ROTATION



Power switch
Door switch
J3
DS1
SW1
CB1
TS2
FL1
FILTER
220/240V
P1
ET2
R5
ET1
L1
115V, 220V/240V
J1-1
J1-2
J22
24VU
ONLY 100V
Anti condensation heater
SW2
R4
R1
R2
R3
ET9
ET10
ET11
ET12
J2-1
Thermo switch 1
TS1
Fixing heater
H1
J2-2
ET3
Q1
SSR
ET4
J31
HTRD
0V
Scanner lamp
LA1
TS3
Thermo switch 3
J4-1
J4-2
ET5
AC-HOT
ET6
ET7
ET8
Lamp regulator
J403
24VR
0VR
J38-2
J38-4
J38-1
0V (DF)
24V (DF)
J806
Delivery sensor
Q2
Delivery feeder motor
M7
Toner sensor
Q17
Total copy counter
CNT1
Small copy counter
CNT2
To CCV
Heat exhaust fan
FM2
Copy board cover open/closed switch
MS2
Waste toner switch
MS1
J453-10 24VU
J802-4 0VU
ET21 (J802-5) 0VU
J802-6 24VR
J802-8 0VR
J804-8 12V
J804-2 5V
J804-4 0V
J802-7 24VR
J802-9 0VR
J804-1 5V
J804-3 0V
PWOFF
J105
J106
J110
J103
J120
J114
J119
J111
J113
J112
Lens motor
M3
Scanner document leading edge sensor
Q9
Scanner home position sensor
Q8
Lens home position sensor
Q7
Hopper motor
M10
Fixing roller surface temperature themistor
TH1
Cleaning belt solenoid
SL2
Hopper unit toner sensor
Q18
Lower feeder inlet paper sensor
Q3
Service mode switch
SW501
J65
J95
JA
Control
LCD
[flat cable]
LA_ON
P_LAMP
DOFF*
CDATA
HSCP
Document size sensor
J752B* SIZE
J752C SIZE
J752C* SIZE
J751A SIZE
J751B SIZE
N.C
0V
5V
24VR
AE sensor
J816
[ABC] -A/B SIZE, [AB*, C*] -INCH SIZE
J808-1 0V
J808-3 24V
J808-2 24V
J808-4 24V
G4
TxD
RxD
J66
To sorter
LA3
Blank exposure lamp (LED)
J67
To cassette feeding unit/paper deck

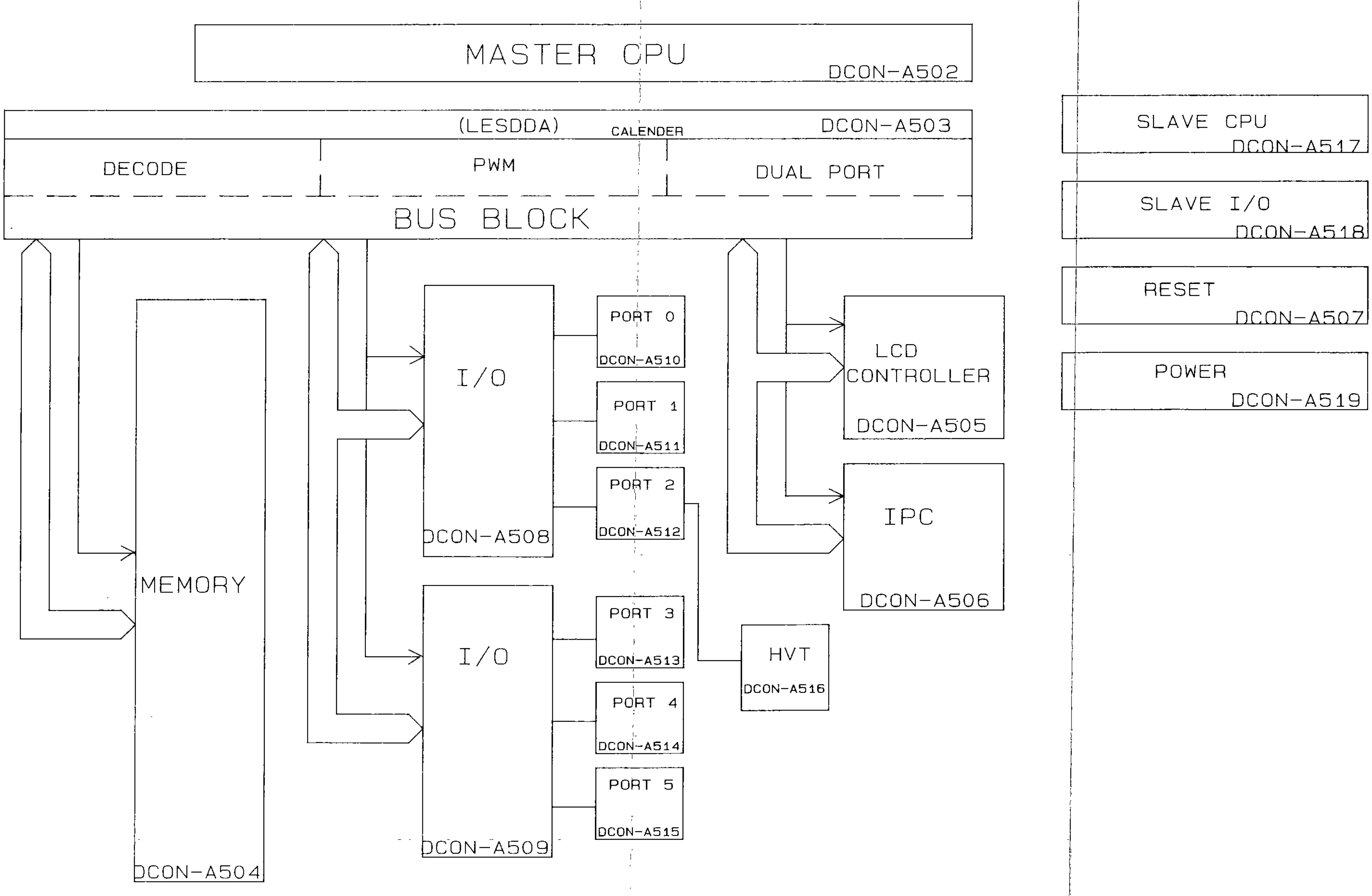
Color code	
BK	black
BL	blue
BR	brown
GY	gray
GN	green
OR	orange
PK	pink
R	red
SB	sky blue
V	violet
W	white
Y	yellow
YG	yellow green

PRIME AU JAPON)

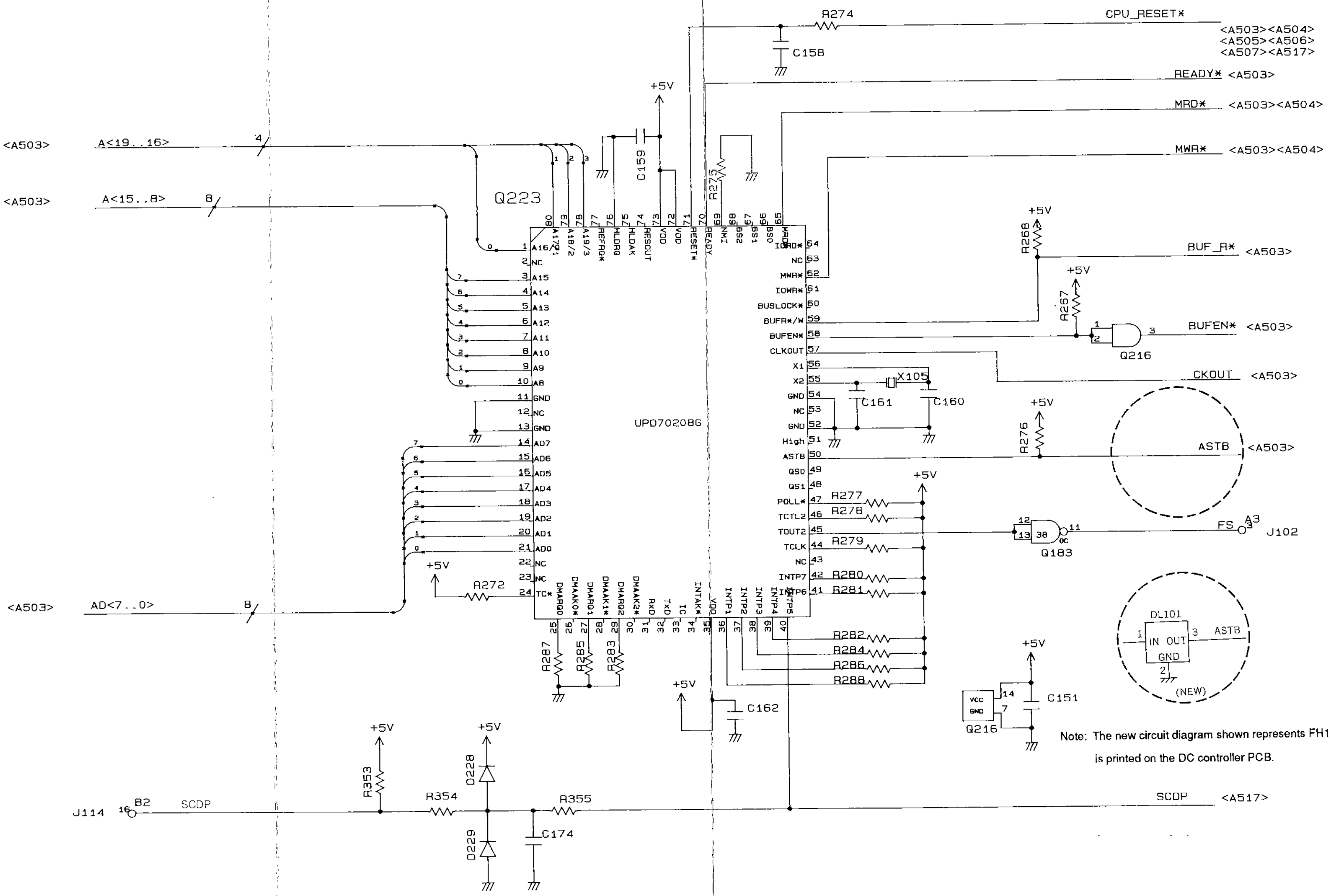

Fuse PCB
J453
J452
J451
J454
DC power supply PCB 1
DCP1
J801
J802
J803
J804
J805
Main motor
M1
Scanner motor
M2
J814
J813
M1/M2 motor driver PCB
J812
J811
DC power supply PCB 2 (DF/sorter)
DCP2
J806
J807
J808
J39
J38
J97
J96
Scanner cooling fan
FM1
Power supply PCB cooling fan
FM4
Pre-exposure lamp
LA2
Primary corona wire cleaner motor
M11
Primary corona wire cleaner reversal switch
MS8
Primary corona wire cleaner home position switch
MS7
Transfer/separation cleaner home position switch
MS5
Transfer/separation cleaner reversal switch
MS6
Transfer/separation corona wire cleaner motor
M12
Feed fan
FM3
Lower feeder No. 2 motor
M6
M5
Horizontal registration paper edge sensor
Q6
No. 1 Pre-registration paper sensor
Q5
No 1 registration roller clutch
CL1
Horizontal registration motor
M4
J33
J34
J35
J36
J37
J44
J45
J46
J47
J48
J49
J51
J102
J117
J118
DC Controller PCB
J108
J109
J104
J103
Cassette 1 paper sensor
Q10
Cassette 2 paper sensor
Q11
Cassette 1 lifter position sensor
Q12
Cassette 2 lifter position sensor
Q13
Lower feeder outlet paper sensor
Q14
No 2 pre-registration paper sensor
Q15
Manual feed paper sensor
Q4
Manual feed door switch
MS4
Pick-up clutch 1
CL2
Manual feed shutter solenoid
SL9
Pick-up drive switch solenoid
SL6
Pick-up roller release solenoid 1
SL7
No 2 registration roller clutch solenoid
SL8
No 3 registration roller clutch
CL4
Cassette 1 size sensor
CST1
Cassette 2 size sensor
CST2
Cassette 1 lifter motor
M8
Cassette 2 lifter motor
M9
Lower feeder No 1 2 motor
M6
No 3 pre-registration paper sensor
Q16
J81
J82
Fixing roller bias
High-voltage transformer
J651 <J1> HVT
High-voltage AC transformer
J656
ntrol panel
DC-AC
eck pedestal
<G3>
ET21
ET22
ET23
ET27
ET28
ET29
ET30

D. DC CONTROLLER CIRCUIT DIAGRAM

DC CONTROLLER PCB (A501: Block diagram)

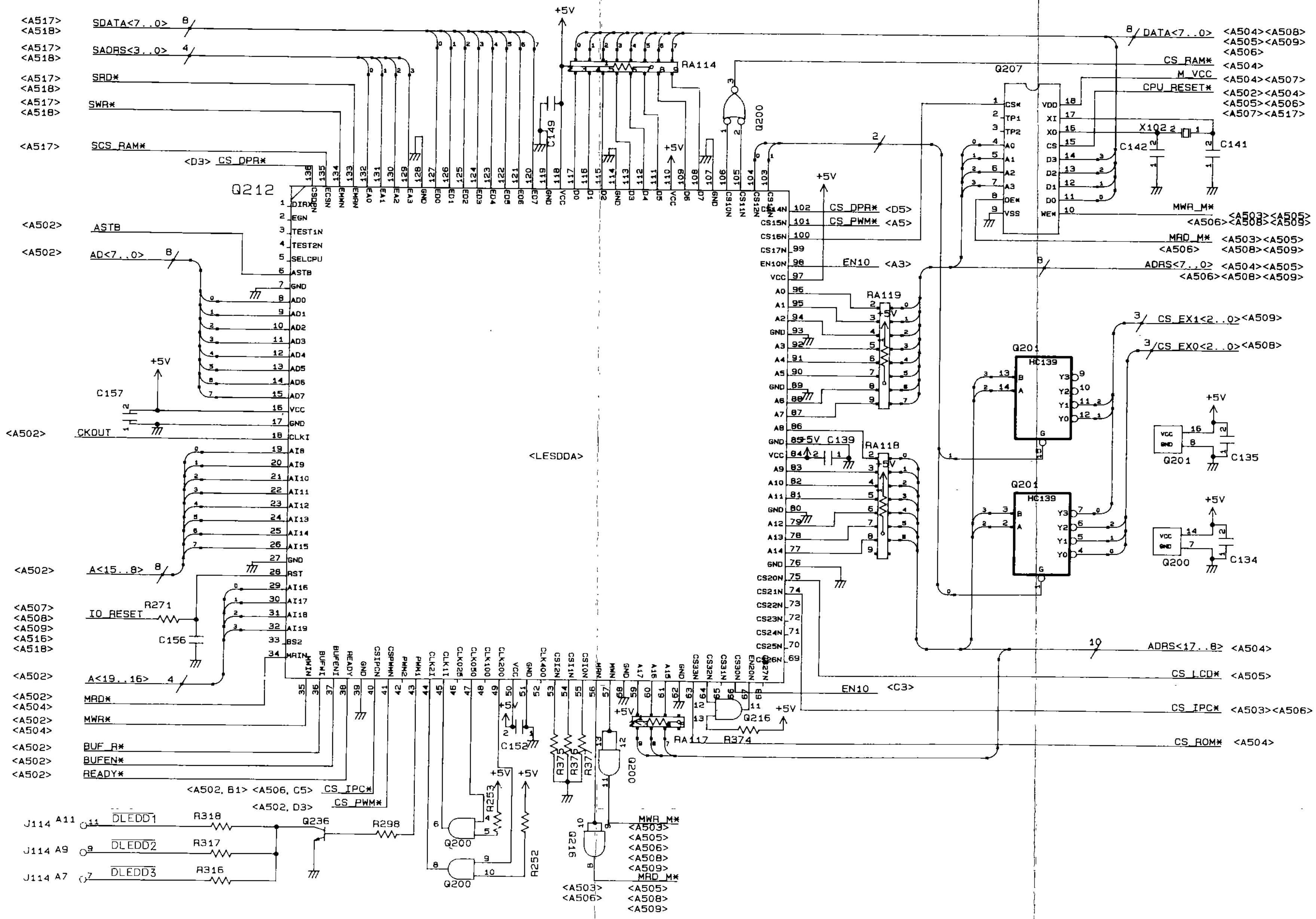

MASTER CPU
DCON-A502
(LESDDA)
CALENDER
DCON-A503
DECODE
PWM
DUAL PORT
BUS BLOCK
MEMORY
DCON-A504
I/O
DCON-A508
I/O
DCON-A509
PORT 0
DCON-A510
PORT 1
DCON-A511
PORT 2
DCON-A512
PORT 3
DCON-A513
PORT 4
DCON-A514
PORT 5
DCON-A515
HVT
DCON-A516
LCD CONTROLLER
DCON-A505
IPC
DCON-A506
SLAVE CPU
DCON-A517
SLAVE I/O
DCON-A518
RESET
DCON-A507
POWER
DCON-A519

DC CONTROLLER PCB (A502: CPU)

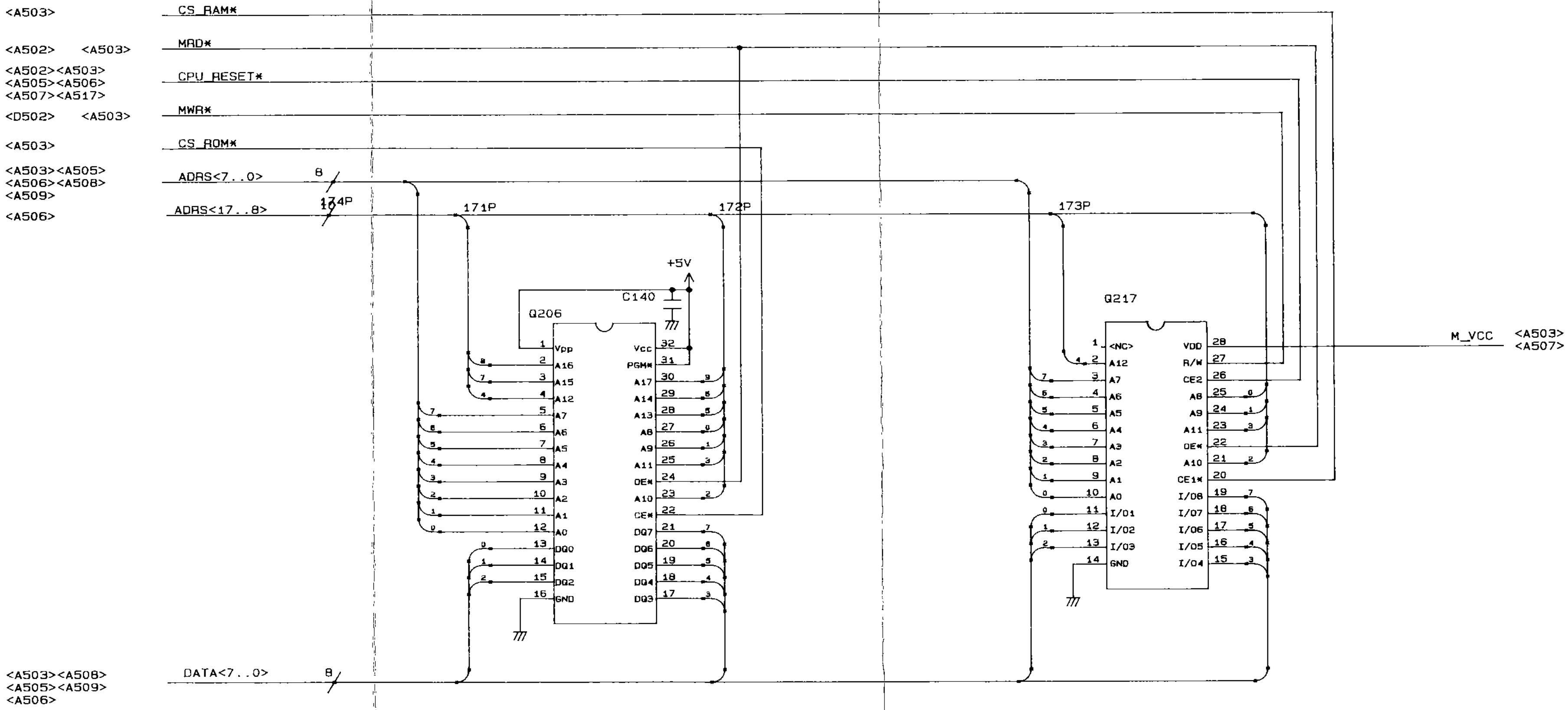

R274
CPU_RESET*
<A503><A504>
<A505><A506>
<A507><A517>
C158
READY* <A503>
MRD* <A503><A504>
MWR* <A503><A504>
+5V
C159
R275
<A503> A<19..16> 4
<A503> A<15..8> 8
Q223
UPD70208G
A16/0
NC
A15
A14
A13
A12
A11
A10
A9
A8
GND
NC
GND
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
NC
NC
TC*
A17/1
A18/2
A19/3
REFRQ*
HLDRQ
HLDAK
RESOUT
VDD
VDD
RESET*
READY
NMI
BS2
BS1
BS0
MRD*
IORD*
NC
MWR*
IOWR*
BUSLOCK*
BUFR*/W
BUFEN*
CLKOUT
X1
X2
GND
NC
GND
High
ASTB
QS0
QS1
POLL*
TCTL2
TOUT2
TCLK
NC
INTP7
INTP6
DMARQ0
DMAAK0*
DMARQ1
DMAAK1*
DMARQ2
DMAAK2*
RxD
TxD
IC
INTAK*
VDD
INTP1
INTP2
INTP3
INTP4
INTP5
R268
BUF_R* <A503>
R267
Q216
BUFEN* <A503>
CKOUT <A503>
X105
C161
C160
R276
ASTB <A503>
R277
R278
R279
R280
R281
R282
R284
R286
R288
Q183
38
OC
FS
A3
J102
DL101
IN OUT
GND
ASTB
(NEW)
R272
<A503> AD<7..0> 8
R287
R285
R283
C162
VCC
GND
C151
+5V
R353
D228
D229
R354
R355
C174
J114
B2
SCDP
SCDP <A517>

Note: The new circuit diagram shown represents FH1-1415 05 and is printed on the DC controller PCB.

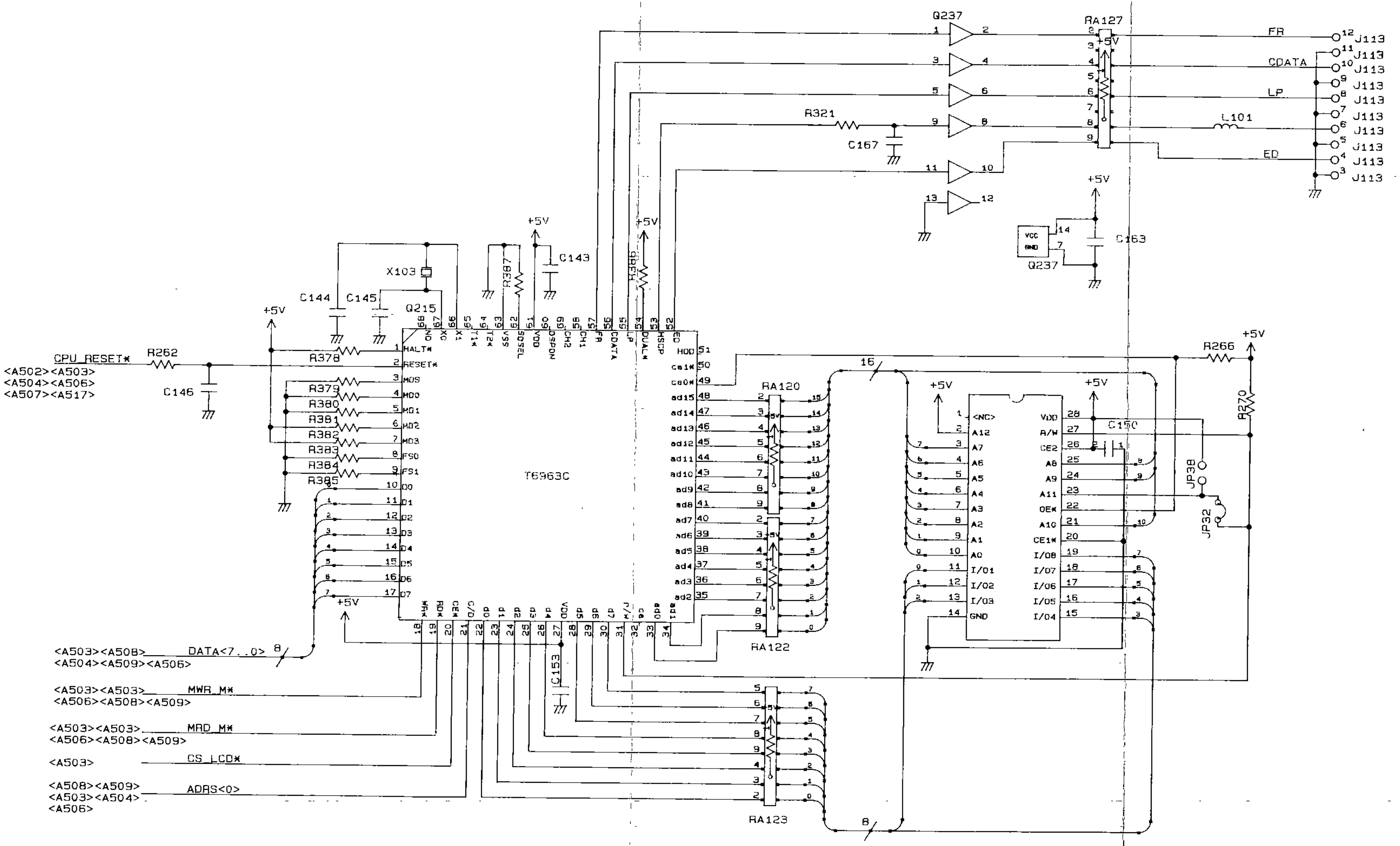
DC CONTROLLER PCB (A503: LESDDA)


Q212
<LESDDA>
Q207
Q200
Q201
HC139
Q216
Q236
RA114
RA117
RA118
RA119
<A517><A518> SDATA<7..0>
<A517><A518> SADRS<3..0>
<A517><A518> SRD*
<A517><A518> SWR*
<A517> SCS_RAM*
<D3> CS_DPR*
<A502> ASTB
<A502> AD<7..0>
<A502> CKOUT
<A502> A<15..8>
<A507><A508><A509><A516><A518> IO_RESET
<A502> A<19..16>
<A502><A504> MRD*
<A502><A504> MWR*
<A502> BUF_R*
<A502> BUFEN*
<A502> READY*
<A502, B1> <A506, C5> CS_IPC*
<A502, D3> CS_PWM*
J114 A11 DLEDD1
J114 A9 DLEDD2
J114 A7 DLEDD3
R318
R317
R316
R298
R252
R253
R271
R374
R375
R376
R377
C134
C135
C139
C141
C142
C149
C152
C156
C157
X102
+5V
DATA<7..0> <A504><A508><A505><A509><A506>
CS_RAM* <A504>
M_VCC <A504><A507>
CPU_RESET* <A502><A504><A505><A506><A507><A517>
CS_DPR* <D5>
CS_PWM* <A5>
EN10 <A3>
MWR_M* <A503><A505><A506><A508><A509>
MRD_M* <A503><A505><A506><A508><A509>
ADRS<7..0> <A504><A505><A506><A508><A509>
CS_EX1<2..0> <A509>
CS_EX0<2..0> <A508>
ADRS<17..8> <A504>
CS_LCD* <A505>
EN10 <C3>
CS_IPC* <A503><A506>
CS_ROM* <A504>
MWR_M* <A503><A505><A506><A508><A509>
MRD_M* <A503><A506><A505><A508><A509>

DC CONTROLLER PCB (A504: ROM, RAM)

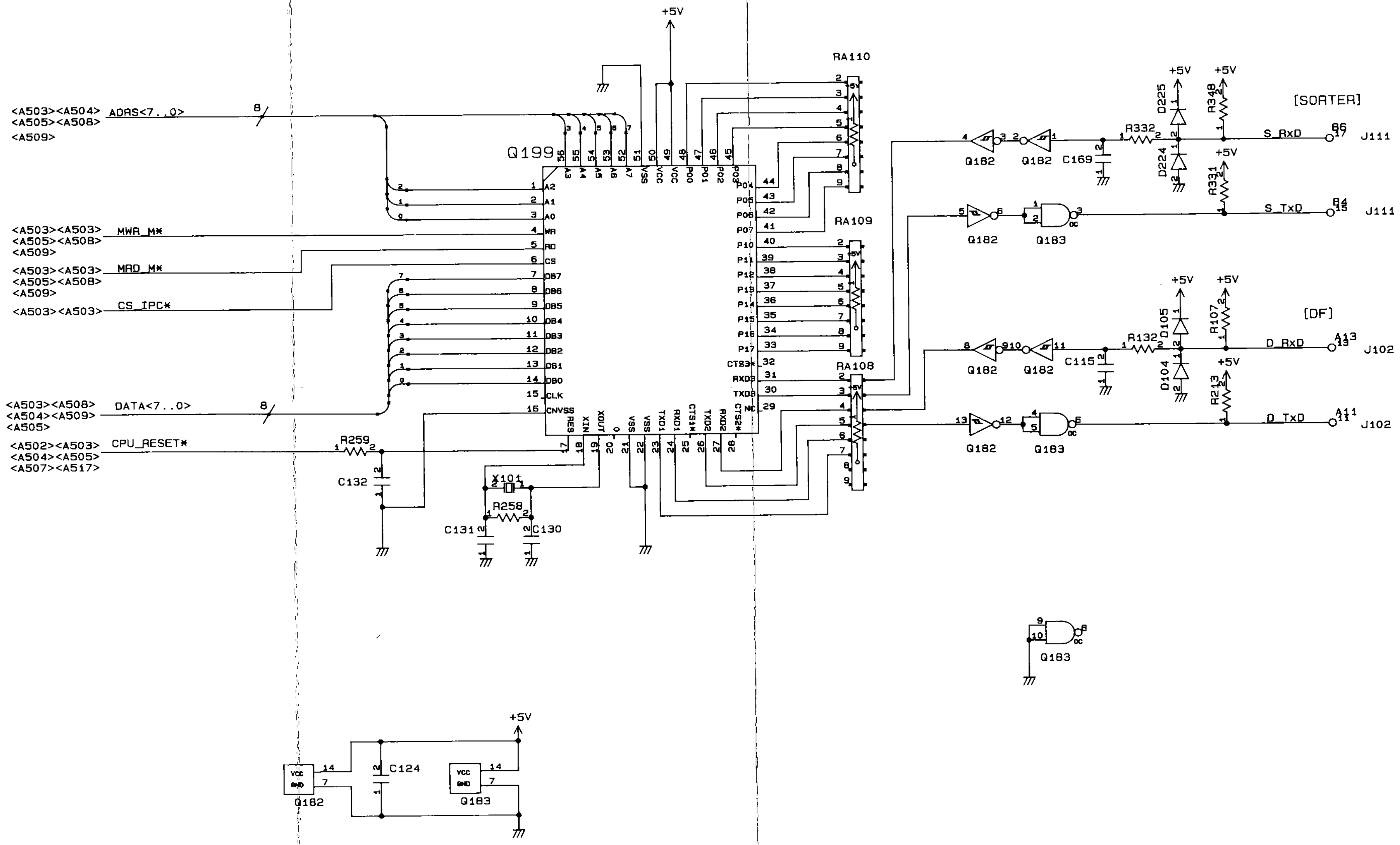

<A503>
CS_RAM*
<A502> <A503>
MRD*
<A502><A503>
<A505><A506>
<A507><A517>
CPU_RESET*
<D502> <A503>
MWR*
<A503>
CS_ROM*
<A503><A505>
<A506><A508>
<A509>
ADRS<7..0>
8
<A506>
ADRS<17..8>
10
174P
171P
172P
173P
+5V
C140
Q206
Vpp
A16
A15
A12
A7
A6
A5
A4
A3
A2
A1
A0
DQ0
DQ1
DQ2
GND
Vcc
PGM*
A17
A14
A13
A8
A9
A11
OE*
A10
CE*
DQ7
DQ6
DQ5
DQ4
DQ3
Q217
<NC>
A12
A7
A6
A5
A4
A3
A2
A1
A0
I/O1
I/O2
I/O3
GND
VDD
R/W
CE2
A8
A9
A11
OE*
A10
CE1*
I/O8
I/O7
I/O6
I/O5
I/O4
M_VCC
<A503>
<A507>
<A503><A508>
<A505><A509>
<A506>
DATA<7..0>
8

DC CONTROLLER PCB (A505: LCD)



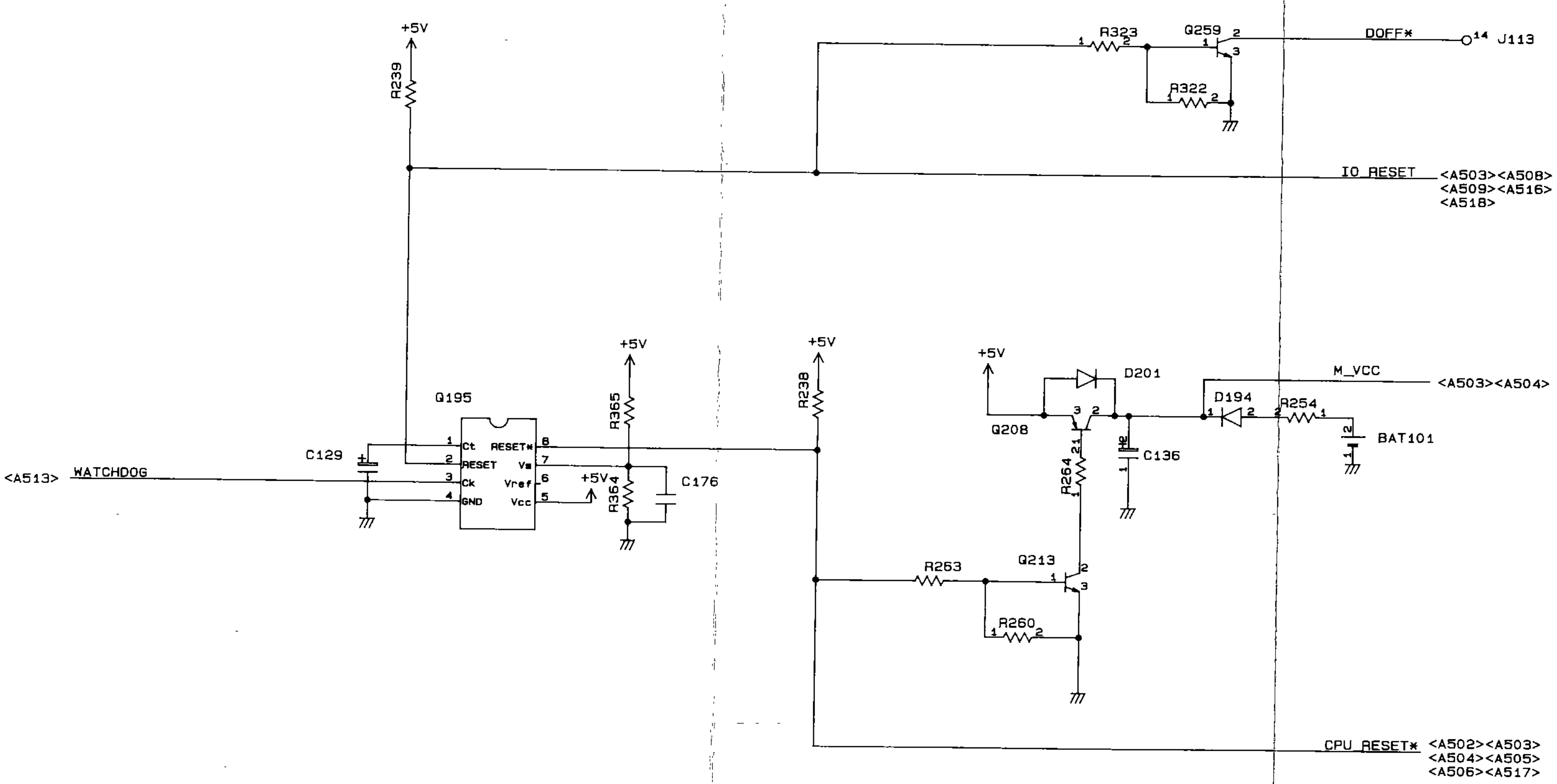
Q237
RA127
FR
CDATA
LP
L101
ED
J113
R321
C167
+5V
C163
VCC
GND
Q237
X103
C144
C145
Q215
C143
R387
R386
T6963C
HALT*
RESET*
MDS
MD0
MD1
MD2
MD3
FS0
FS1
D0
D1
D2
D3
D4
D5
D6
D7
HOD
ce1*
ce0*
ad15
ad14
ad13
ad12
ad11
ad10
ad9
ad8
ad7
ad6
ad5
ad4
ad3
ad2
CPU_RESET*
<A502><A503>
<A504><A506>
<A507><A517>
R262
C146
R378
R379
R380
R381
R382
R383
R384
R385
RA120
RA122
RA123
R266
R270
C150
JP38
JP32
<NC>
A12
A7
A6
A5
A4
A3
A2
A1
A0
I/01
I/02
I/03
GND
VDD
R/W
CE2
A8
A9
A11
OE*
A10
CE1*
I/08
I/07
I/06
I/05
I/04
16
8
C153
<A503><A508>
<A504><A509><A506>
DATA<7..0>
<A503><A503>
<A506><A508><A509>
MWR_M*
<A503><A503>
<A506><A508><A509>
MRD_M*
<A503>
CS_LCD*
<A508><A509>
<A503><A504>
<A506>
ADRS<0>

DC CONTROLLER PCB (A506: IPC)

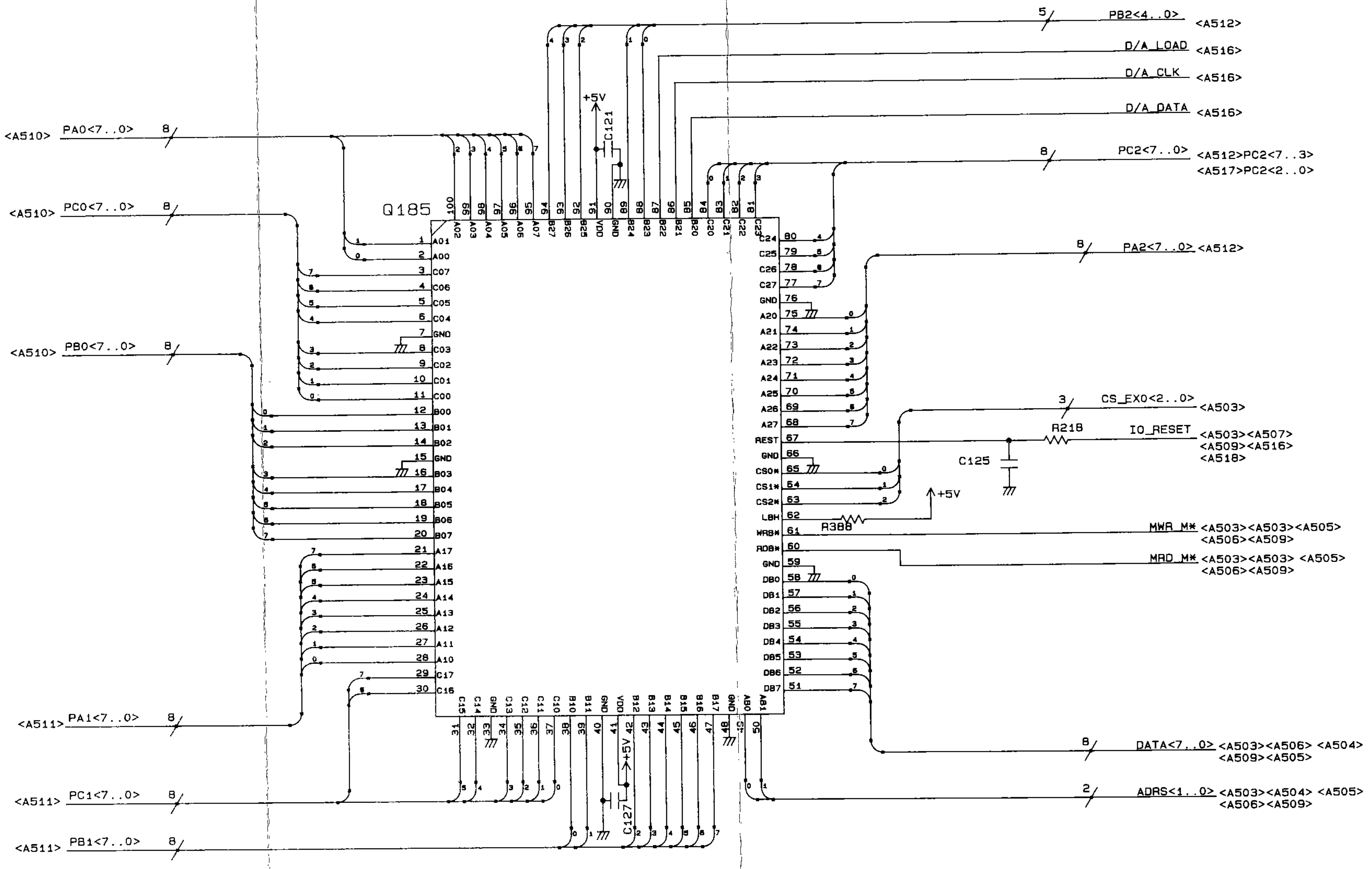


<A503><A504> <A505><A508> <A509> ADRS<7..0> 8
<A503><A503> <A505><A508> <A509> MWR_M*
<A503><A503> <A505><A508> <A509> MRD_M*
<A503><A503> CS_IPC*
<A503><A508> <A504><A509> <A505> DATA<7..0> 8
<A502><A503> <A504><A505> <A507><A517> CPU_RESET*
Q199
A2 A1 A0 WR RD CS DB7 DB6 DB5 DB4 DB3 DB2 DB1 DB0 CLK CNVSS
A3 A4 A5 A6 A7 VSS VCC P00 P01 P02 P03
P04 P05 P06 P07 P10 P11 P12 P13 P14 P15 P16 P17 CTS3* RXD3 TXD3 NC
RES XIN XOUT VSS TXD1 RXD1 CTS1* TXD2 RXD2 CTS2*
+5V
RA110
RA109
RA108
R259
C132
X101
R258
C131
C130
Q182
Q183
C169
R332
D225
D224
R348
R331
S_RxD
S_TxD
B6 17
B4 15
J111
[SORTER]
C115
R132
D105
D104
R107
R213
D_RxD
D_TxD
A13 13
A11 11
J102
[DF]
C124
VCC
GND
OC

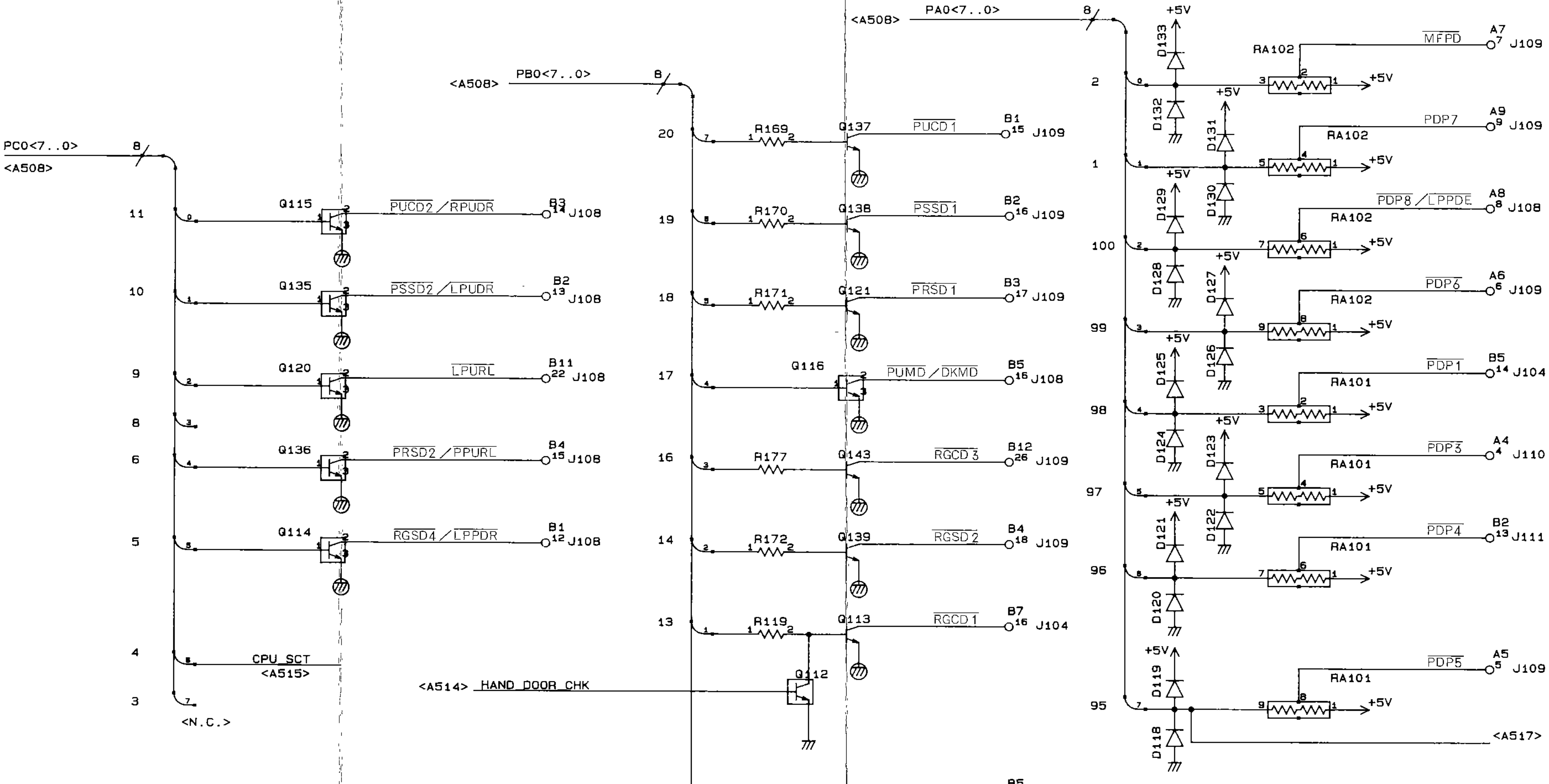
DC CONTROLLER PCB (A507: RESET)


+5V
R239
R323
Q259
R322
DOFF*
14
J113
IO RESET
<A503><A508>
<A509><A516>
<A518>
+5V
R365
R364
+5V
C176
Q195
Ct
RESET
Ck
GND
RESET*
Vs
Vref
Vcc
C129
<A513>
WATCHDOG
+5V
R238
+5V
D201
Q208
R264
C136
D194
R254
M_VCC
<A503><A504>
BAT101
R263
Q213
R260
CPU RESET*
<A502><A503>
<A504><A505>
<A506><A517>

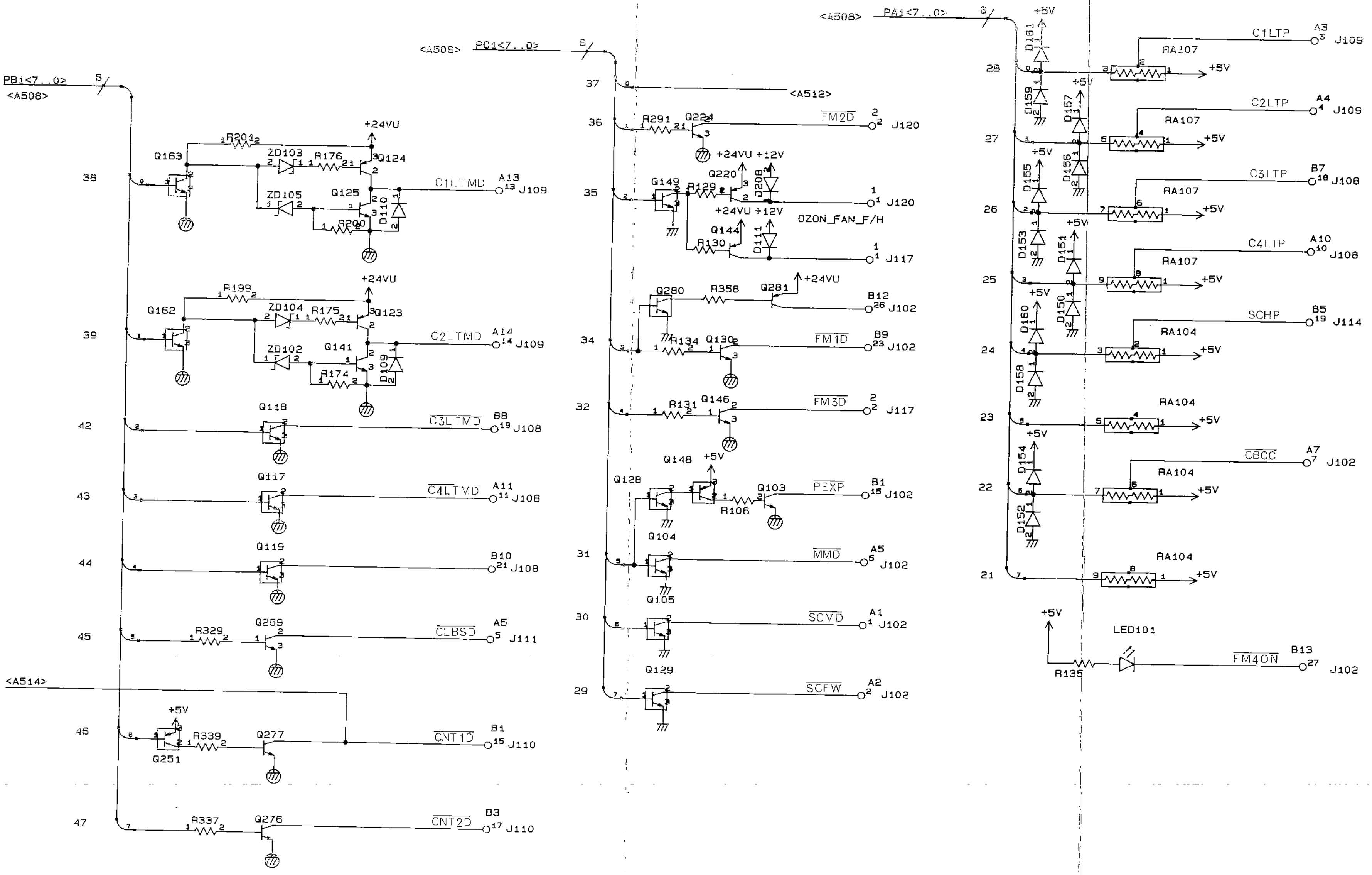
DC CONTROLLER PCB (A508: I/O_0)


Q185
<A510> PA0<7..0> 8
<A510> PC0<7..0> 8
<A510> PB0<7..0> 8
<A511> PA1<7..0> 8
<A511> PC1<7..0> 8
<A511> PB1<7..0> 8
5 PB2<4..0> <A512>
D/A_LOAD <A516>
D/A_CLK <A516>
D/A_DATA <A516>
8 PC2<7..0> <A512>PC2<7..3> <A517>PC2<2..0>
8 PA2<7..0> <A512>
3 CS_EX0<2..0> <A503>
R218 IO_RESET <A503><A507> <A509><A516> <A518>
C125
+5V
R388
MWR_M* <A503><A503><A505> <A506><A509>
MRD_M* <A503><A503> <A505> <A506><A509>
8 DATA<7..0> <A503><A506> <A504> <A509><A505>
2 ADRS<1..0> <A503><A504> <A505> <A506><A509>
+5V
C121
+5V
C127
A01
A00
C07
C06
C05
C04
GND
C03
C02
C01
C00
B00
B01
B02
GND
B03
B04
B05
B06
B07
A17
A16
A15
A14
A13
A12
A11
A10
C17
C16
C24
C25
C26
C27
GND
A20
A21
A22
A23
A24
A25
A26
A27
REST
GND
CS0*
CS1*
CS2*
LBH
WRB*
RDB*
GND
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
A02
A03
A04
A05
A06
A07
B27
B26
B25
VDD
GND
B24
B23
B22
B21
B20
C20
C21
C22
C23
C15
C14
GND
C13
C12
C11
C10
B10
B11
GND
VDD
B12
B13
B14
B15
B16
B17
GND
AB0
AB1

DC CONTROLLER PCB (A510: EX 0)


PC0<7..0>
<A508>
8
11
10
9
8
6
5
4
3
Q115
Q135
Q120
Q136
Q114
PUCD2 / RPUDR
PSSD2 / LPUDR
LPURL
PRSD2 / PPURL
RGSD4 / LPPDR
B3 14 J108
B2 13 J108
B11 22 J108
B4 15 J108
B1 12 J108
CPU_SCT
<A515>
<N.C.>
<A508>
PB0<7..0>
20
19
18
17
16
14
13
12
R169
R170
R171
R177
R172
R119
R173
Q137
Q138
Q121
Q116
Q143
Q139
Q113
Q112
Q122
PUCD1
PSSD1
PRSD1
PUMD / DKMD
RGCD3
RGSD2
RGCD1
MFSSD
B1 15 J109
B2 16 J109
B3 17 J109
B5 16 J108
B12 26 J109
B4 18 J109
B7 16 J104
B5 19 J109
<A514>
HAND_DOOR_CHK
<A508>
PA0<7..0>
2
1
100
99
98
97
96
95
+5V
D133
D132
D131
D130
D129
D128
D127
D126
D125
D124
D123
D122
D121
D120
D119
D118
RA102
RA101
MFPD
PDP7
PDP8 / LPPDE
PDP6
PDP1
PDP3
PDP4
PDP5
A7 7 J109
A9 9 J109
A8 8 J108
A6 6 J109
B5 14 J104
A4 4 J110
B2 13 J111
A5 5 J109
<A517>

DC CONTROLLER PCB (A511: EX 1)



PB1<7..0>
<A508>
8
38
39
42
43
44
45
46
47
Q163
R204
ZD103
R176
+24VU
Q124
ZD105
Q125
R200
D110
C1LTMD
A13
J109
Q162
R199
ZD104
R175
Q123
ZD102
Q141
R174
D109
C2LTMD
A14
J109
Q118
C3LTMD
B8
J108
Q117
C4LTMD
A11
J108
Q119
B10
J108
R329
Q269
CLBSD
A5
J111
<A514>
+5V
R339
Q277
Q251
CNT1D
B1
J110
R337
Q276
CNT2D
B3
J110
<A508>
PC1<7..0>
8
37
<A512>
36
R291
Q224
FM2D
J120
35
Q149
R129
Q220
+24VU +12V
D208
J120
OZON_FAN_F/H
Q144
R130
D111
J117
Q280
R358
Q281
+24VU
B12
J102
34
R134
Q130
FM1D
B9
J102
32
R131
Q146
FM3D
J117
Q148
+5V
Q128
Q103
R106
PEXP
B1
J102
Q104
31
MMD
A5
J102
Q105
30
SCMD
A1
J102
Q129
29
SCFW
A2
J102
<A508>
PA1<7..0>
8
+5V
D161
28
D159
D157
RA107
C1LTP
A3
J109
27
C2LTP
A4
J109
D155
D156
26
C3LTP
B7
J108
D153
D151
25
C4LTP
A10
J108
D160
D150
24
RA104
SCHP
B5
J114
D158
23
22
D154
D152
CBCC
A7
J102
21
LED101
R135
FM4ON
B13
J102

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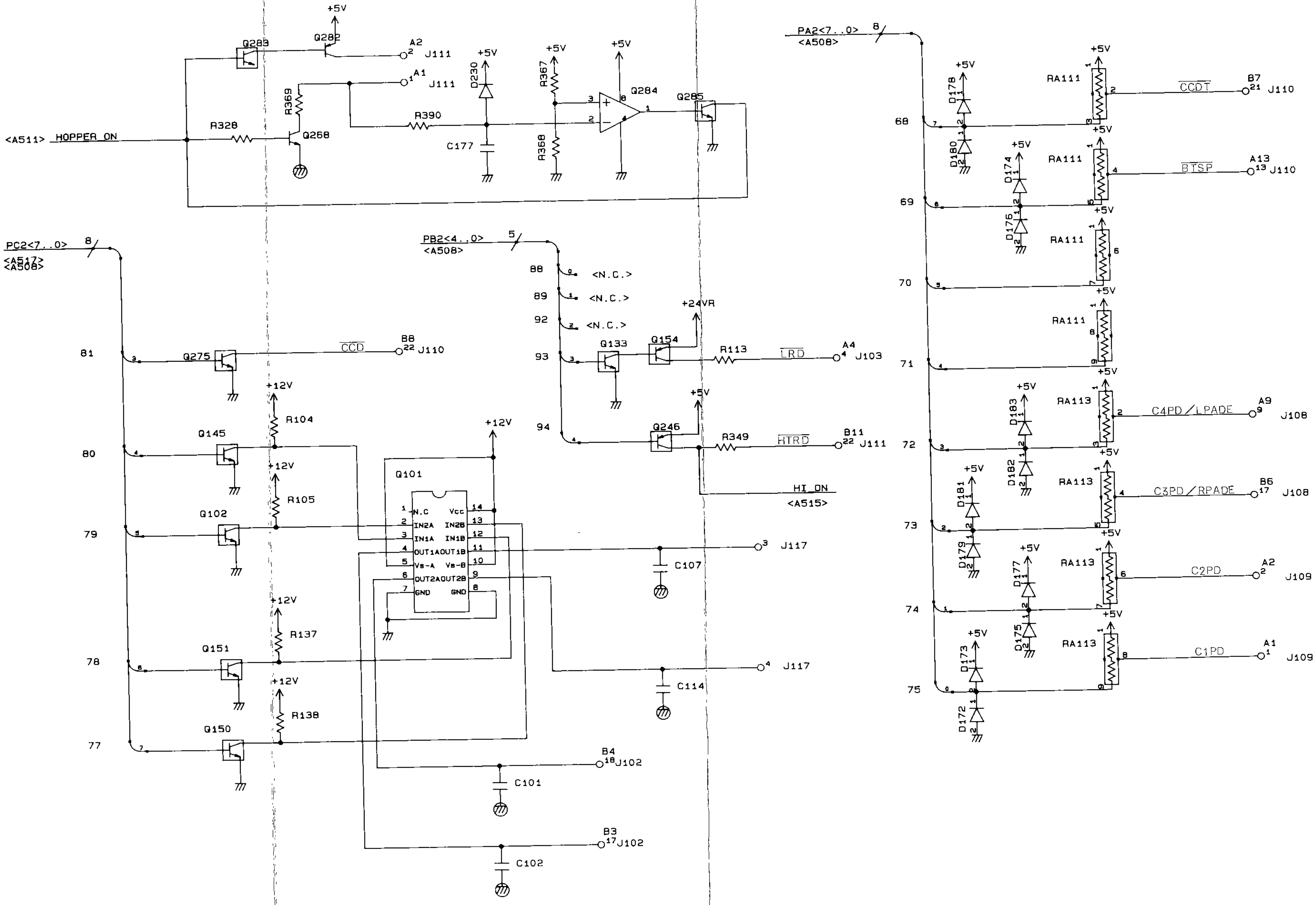
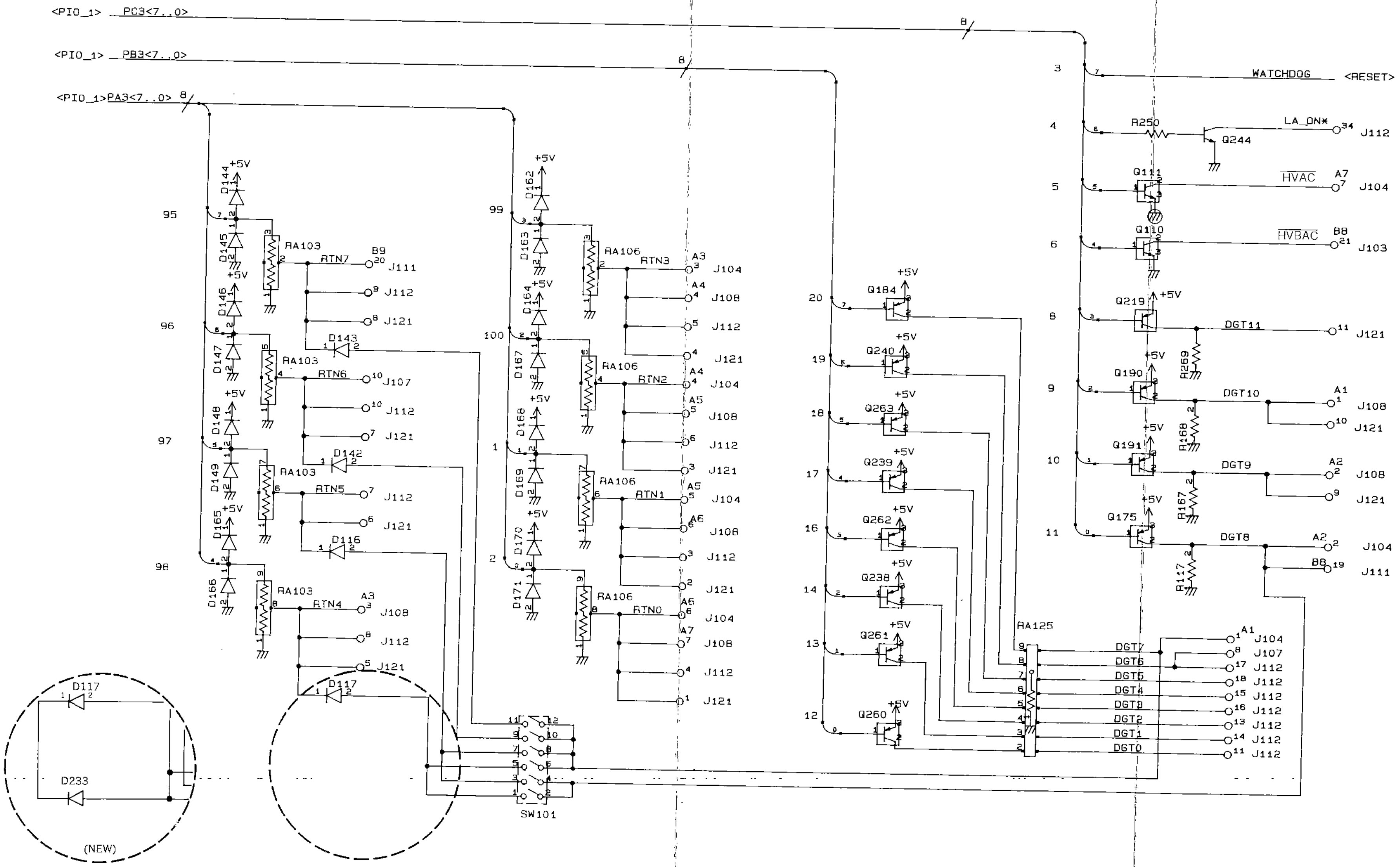
DC CONTROLLER PCB (A512: EX 2)


+5V
Q283
Q282
A2
J111
A1
J111
R369
<A511> HOPPER_ON
R328
Q268
R390
C177
+5V
D230
+5V
R367
R368
+5V
Q284
Q285
PA2<7..0>
<A508>
8
+5V
D178
D180
RA111
+5V
CCDT
B7
J110
68
+5V
D174
D176
RA111
BTSP
A13
J110
69
RA111
70
RA111
71
+5V
D183
D182
RA113
C4PD/LPADE
A9
J108
72
+5V
D181
D179
RA113
C3PD/RPADE
B6
J108
73
+5V
D177
D175
RA113
C2PD
A2
J109
74
+5V
D173
D172
RA113
C1PD
A1
J109
75
PC2<7..0>
8
<A517>
<A508>
PB2<4..0>
5
<A508>
88
<N.C.>
89
<N.C.>
92
<N.C.>
93
Q133
Q154
+24VR
R113
LRD
A4
J103
94
+5V
Q246
R349
HTRD
B11
J111
HI_ON
<A515>
81
Q275
CCD
B8
J110
80
Q145
+12V
R104
+12V
R105
79
Q102
+12V
Q101
N.C
IN2A
IN1A
OUT1A
Vs-A
OUT2A
GND
Vcc
IN2B
IN1B
OUT1B
Vs-B
OUT2B
GND
C107
J117
C114
J117
78
Q151
+12V
R137
+12V
R138
77
Q150
B4
J102
C101
B3
J102
C102

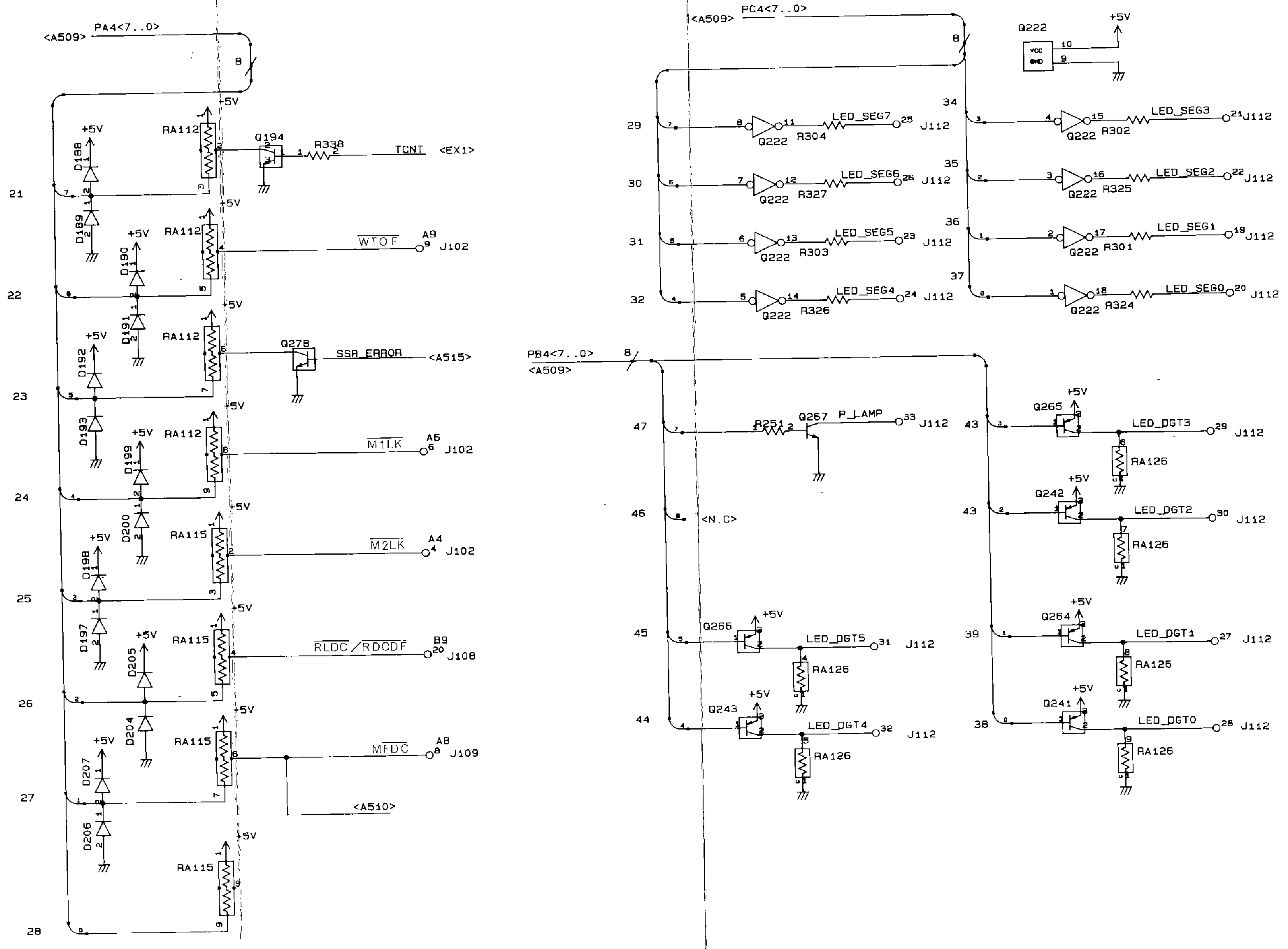
DC CONTROLLER PCB (A513: EX 3)



<PIO_1> PC3<7..0>
<PIO_1> PB3<7..0>
<PIO_1>PA3<7..0>
8
WATCHDOG
<RESET>
R250
Q244
LA_ON*
J112
Q111
HVAC
J104
Q110
HVBAC
J103
Q219
DGT11
J121
Q190
DGT10
J108
Q191
DGT9
Q175
DGT8
J111
R269
R168
R167
R117
RA125
DGT7
DGT6
DGT5
DGT4
DGT3
DGT2
DGT1
DGT0
J107
Q184
Q240
Q263
Q239
Q262
Q238
Q261
Q260
+5V
RA103
RA106
RTN7
RTN6
RTN5
RTN4
RTN3
RTN2
RTN1
RTN0
D144
D145
D146
D147
D148
D149
D165
D166
D162
D163
D164
D167
D168
D169
D170
D171
D143
D142
D116
D117
D233
(NEW)
SW101

Note: The new circuit diagram shown represents FH1-1415 05 and is printed on the DC controller PCB.

DC CONTROLLER PCB (A514: EX 4)



<A509> PA4<7..0>
8
+5V
RA112
Q194
R338
TCNT <EX1>
D188
D189
21
22
23
24
25
26
27
28
D190
D191
D192
D193
D199
D200
D198
D197
D205
D204
D207
D206
WTOF A9 J102
Q278
SSR_ERROR <A515>
M1LK A6 J102
RA115
M2LK A4 J102
RLDC/RDODE B9 J108
MFDC A8 J109
<A510>
<A509> PC4<7..0>
Q222
VCC
GND
29
30
31
32
34
35
36
37
LED_SEG7 J112
R304
LED_SEG6 J112
R327
LED_SEG5 J112
R303
LED_SEG4 J112
R326
LED_SEG3 J112
R302
LED_SEG2 J112
R325
LED_SEG1 J112
R301
LED_SEG0 J112
R324
PB4<7..0> <A509>
47
R251
Q267
P_LAMP J112
46
<N.C>
45
Q266
LED_DGT5 J112
44
Q243
LED_DGT4 J112
RA126
43
Q265
LED_DGT3 J112
Q242
LED_DGT2 J112
39
Q264
LED_DGT1 J112
38
Q241
LED_DGT0 J112

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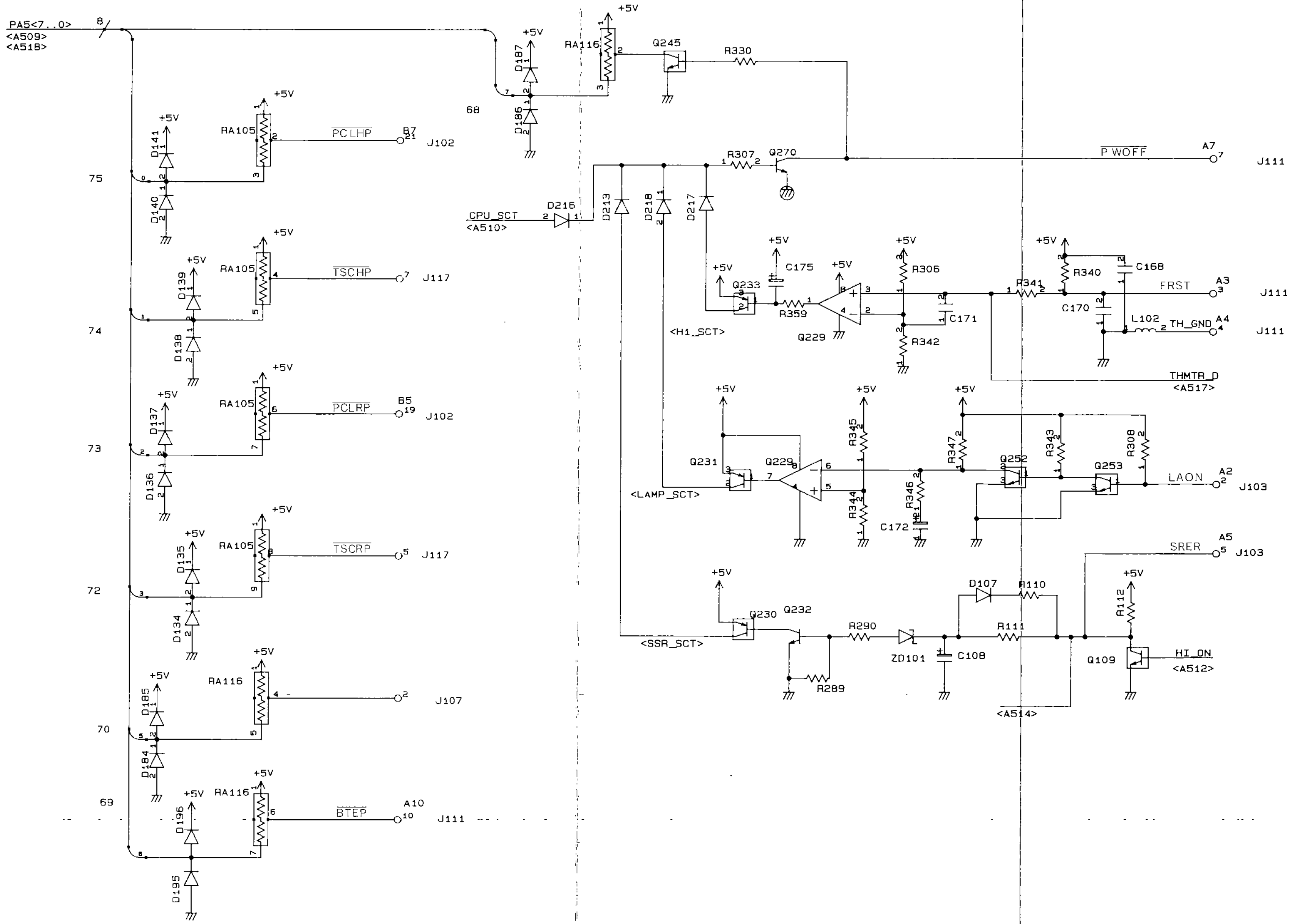
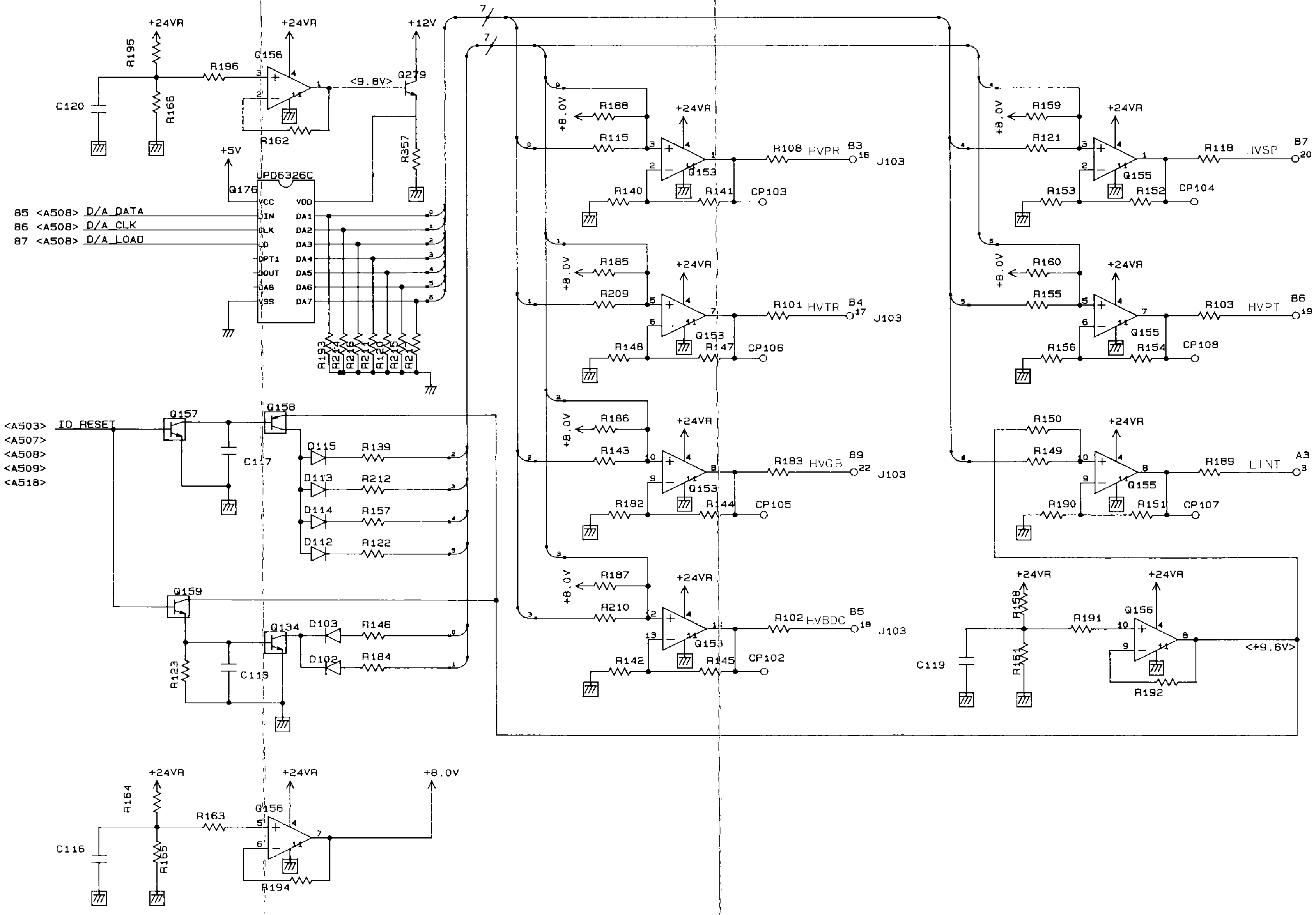
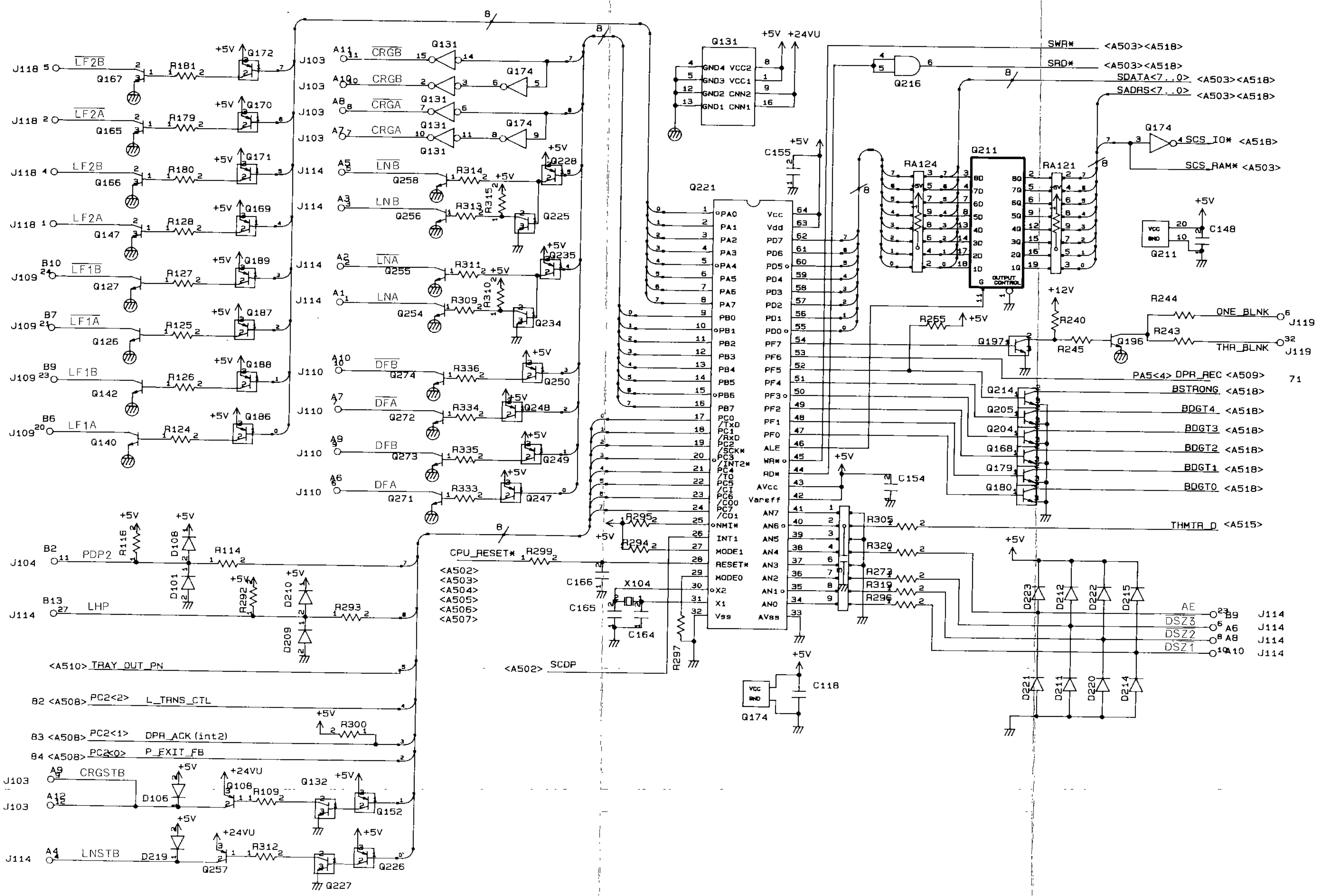

PA5<7..0>
<A509>
<A518>
8
75
74
73
72
70
69
68
+5V
D141
D140
D139
D138
D137
D136
D135
D134
D185
D184
D196
D195
D187
D186
RA105
RA116
PCLHP
B7
21
J102
TSCHP
7
J117
PCLRP
B5
19
J102
TSCRP
5
J117
2
J107
BTEP
A10
10
J111
Q245
R330
R307
Q270
P WOFF
A7
7
J111
CPU_SCT
<A510>
D216
D213
D218
D217
C175
Q233
R359
Q229
R306
R342
C171
<H1_SCT>
R341
R340
C168
C170
FRST
A3
3
J111
L102
TH_GND
A4
4
J111
THMTR_D
<A517>
Q231
<LAMP_SCT>
R345
R344
R346
C172
R347
Q252
R343
Q253
R308
LAON
A2
2
J103
SRER
A5
5
J103
Q230
Q232
<SSR_SCT>
R290
R289
ZD101
C108
D107
R110
R111
R112
Q109
HI_ON
<A512>
<A514>

DC CONTROLLER PCB (A516: HVT)


+24VR
R195
R196
Q156
R166
C120
R162
+24VR
+12V
<9.8V>
Q279
R357
+5V
UPD6326C
Q176
VCC
DIN
CLK
LD
OPT1
DOUT
DA8
VSS
VDD
DA1
DA2
DA3
DA4
DA5
DA6
DA7
85 <A508> D/A DATA
86 <A508> D/A CLK
87 <A508> D/A LOAD
R193
R214
R216
R217
R120
R215
R213
<A503>
<A507>
<A508>
<A509>
<A518>
IO RESET
Q157
Q158
C117
D115
R139
D113
R212
D114
R157
D112
R122
Q159
Q134
D103
R146
D102
R184
R123
C118
+24VR
R164
R163
Q156
+24VR
+8.0V
C116
R165
R194
7
7
+8.0V
R188
R115
+24VR
Q153
R108
HVPR
B3
16
J103
R140
R141
CP103
R185
R209
Q153
R101
HVTR
B4
17
J103
R148
R147
CP106
R186
R143
Q153
R183
HVGB
B9
22
J103
R182
R144
CP105
R187
R210
Q153
R102
HVBDC
B5
18
J103
R142
R145
CP102
R159
R121
Q155
R118
HVSP
B7
20
J103
R153
R152
CP104
R160
R155
Q155
R103
HVPT
B6
19
J103
R156
R154
CP108
R150
R149
Q155
R189
LINT
A3
3
J103
R190
R151
CP107
+24VR
R158
R191
Q156
<+9.6V>
C119
R161
R192

DC CONTROLLER PCB (A517: SLAVE)



J118
J109
J104
J114
J103
J110
J119
LF2B
LF2A
LF1B
LF1A
CRGB
CRGA
LNB
LNA
DFB
DFA
PDP2
LHP
CRGSTB
LNSTB
Q221
Q211
Q131
Q174
Q216
RA124
RA121
X104
<A510> TRAY_OUT_PN
82 <A508> PC2<2> L_TRANS_CTL
83 <A508> PC2<1> DPR_ACK (int2)
84 <A508> PC2<0> P_EXIT_FB
CPU_RESET*
<A502> <A503> <A504> <A505> <A506> <A507>
<A502> SCDP
SWR* <A503><A518>
SRD* <A503><A518>
SDATA<7..0> <A503><A518>
SADRS<7..0> <A503><A518>
SCS_IO* <A518>
SCS_RAM* <A503>
ONE_BLNK
THR_BLNK
PA5<4> DPR_REC <A509>
71
BSTRONG <A518>
BDGT4 <A518>
BDGT3 <A518>
BDGT2 <A518>
BDGT1 <A518>
BDGT0 <A518>
THMTR_D <A515>
AE
DSZ3
DSZ2
DSZ1
+5V
+24VU
+12V

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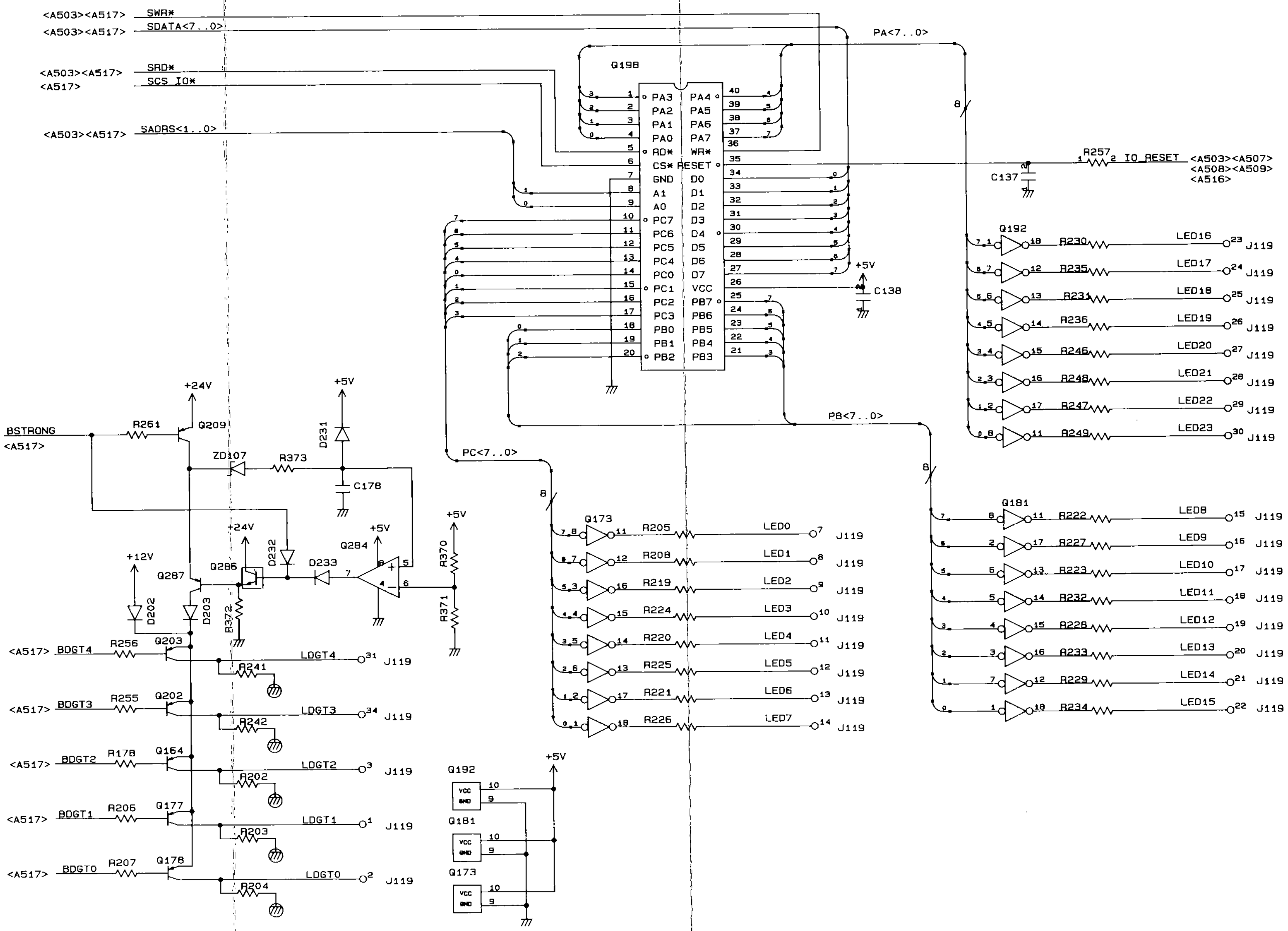
DC CONTROLLER PCB (A518: BLANK)


<A503><A517> SWR*
<A503><A517> SDATA<7..0>
<A503><A517> SRD*
SCS_IO*
<A517>
<A503><A517> SADRS<1..0>
PA<7..0>
Q198
PA3 PA2 PA1 PA0 RD* CS* GND A1 A0 PC7 PC6 PC5 PC4 PC0 PC1 PC2 PC3 PB0 PB1 PB2
PA4 PA5 PA6 PA7 WR* RESET D0 D1 D2 D3 D4 D5 D6 D7 VCC PB7 PB6 PB5 PB4 PB3
R257 IO_RESET <A503><A507> <A508><A509> <A516>
C137
+5V
C138
PB<7..0>
PC<7..0>
Q192
R230 LED16 J119
R235 LED17 J119
R231 LED18 J119
R236 LED19 J119
R246 LED20 J119
R248 LED21 J119
R247 LED22 J119
R249 LED23 J119
Q181
R222 LED8 J119
R227 LED9 J119
R223 LED10 J119
R232 LED11 J119
R228 LED12 J119
R233 LED13 J119
R229 LED14 J119
R234 LED15 J119
Q173
R205 LED0 J119
R208 LED1 J119
R219 LED2 J119
R224 LED3 J119
R220 LED4 J119
R225 LED5 J119
R221 LED6 J119
R226 LED7 J119
BSTRONG <A517>
R261 Q209 +24V
ZD107 R373 D231 +5V C178
+24V D232 Q286 D233 Q284 +5V R370 R371
+12V Q287 D202 D203 R372
<A517> BDGT4 R256 Q203 LDGT4 J119 R241
<A517> BDGT3 R255 Q202 LDGT3 J119 R242
<A517> BDGT2 R178 Q164 LDGT2 J119 R202
<A517> BDGT1 R206 Q177 LDGT1 J119 R203
<A517> BDGT0 R207 Q178 LDGT0 J119 R204
Q192 Q181 Q173 VCC GND +5V

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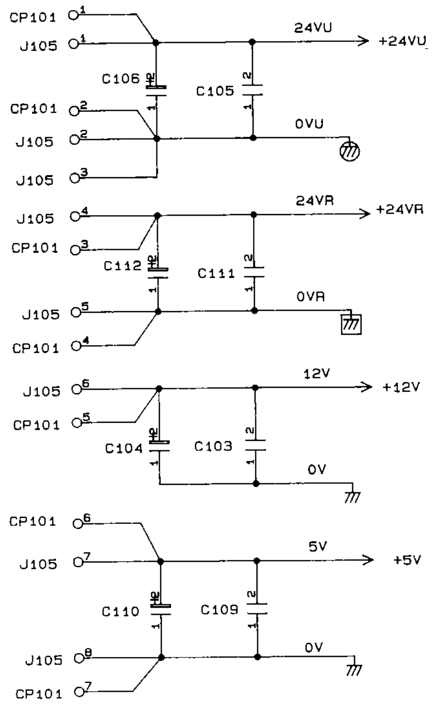
DC CONTROLLER PCB (A519: POWER)


CP101 1
J105 1
24VU
+24VU
C106
C105
0VU
CP101 2
J105 2
J105 3
J105 4
24VR
+24VR
CP101 3
C112
C111
0VR
J105 5
CP101 4
J105 6
12V
+12V
CP101 5
C104
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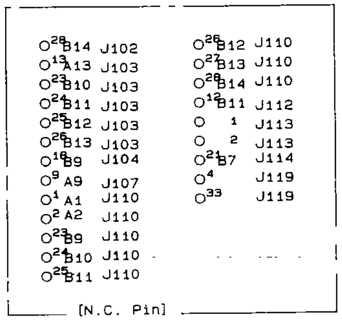
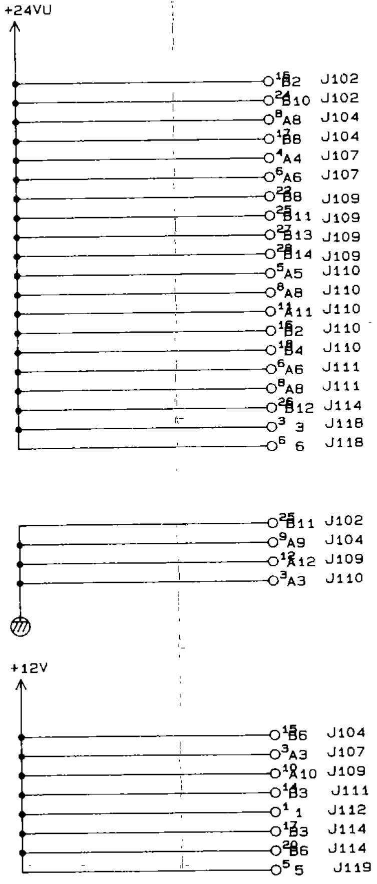
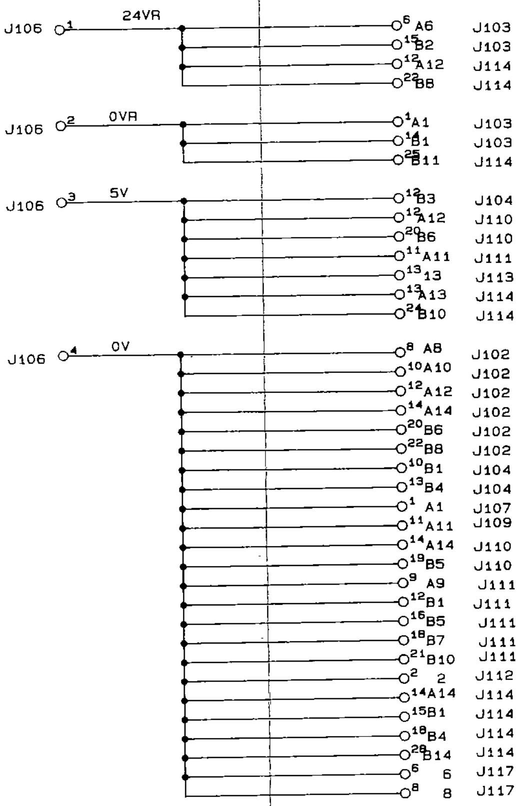
0V
CP101 6
J105 7
5V
+5V
C110
C109
J105 8
0V
CP101 7


28 B14 J102
13 A13 J103
23 B10 J103
24 B11 J103
25 B12 J103
26 B13 J103
18 B9 J104
9 A9 J107
1 A1 J110
2 A2 J110
23 B9 J110
24 B10 J110
25 B11 J110
26 B12 J110
27 B13 J110
28 B14 J110
12 B11 J112
1 J113
2 J113
21 B7 J114
4 J119
33 J119

[N.C. Pin]

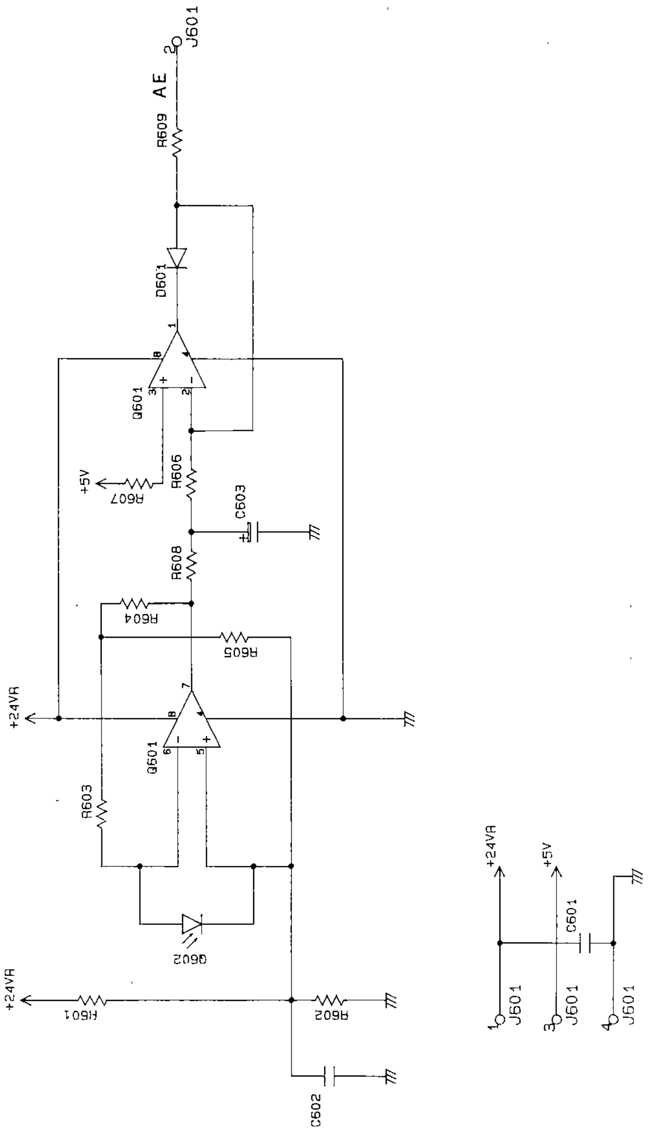

+24VU
16 B2 J102
24 B10 J102
8 A8 J104
12 B6 J104
4 A4 J107
6 A6 J107
22 B8 J109
25 B11 J109
27 B13 J109
28 B14 J109
5 A5 J110
8 A8 J110
11 A11 J110
16 B2 J110
18 B4 J110
6 A6 J111
8 A8 J111
26 B12 J114
3 3 J118
6 6 J118
25 B11 J102
9 A9 J104
12 A12 J109
3 A3 J110
+12V
15 B6 J104
3 A3 J107
10 A10 J109
17 B3 J111
1 1 J112
17 B3 J114
20 B6 J114
5 5 J119

[P.C.B Power Line]


J106 1
24VR
6 A6 J103
15 B2 J103
12 A12 J114
22 B8 J114
J106 2
0VR
1 A1 J103
14 B1 J103
25 B11 J114
J106 3
5V
17 B3 J104
12 A12 J110
20 B6 J110
11 A11 J111
13 13 J113
13 A13 J114
24 B10 J114
J106 4
0V
8 A8 J102
10 A10 J102
12 A12 J102
14 A14 J102
20 B6 J102
22 B8 J102
10 B1 J104
13 B4 J104
1 A1 J107
11 A11 J109
14 A14 J110
19 B5 J110
9 A9 J111
12 B1 J111
16 B5 J111
18 B7 J111
21 B10 J111
2 2 J112
14 A14 J114
15 B1 J114
18 B4 J114
28 B14 J114
6 6 J117
8 8 J117

[Through Power Line]

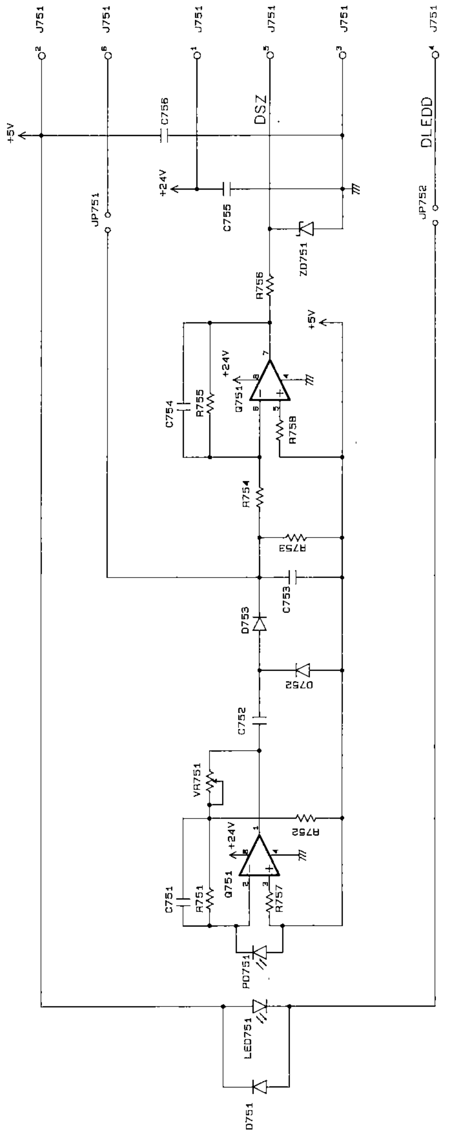
E. AE SENSOR CIRCUIT DIAGRAM


J601
2
AE
R609
D601
1
8
4
3
2
+
-
Q601
+5V
R607
R606
C603
R608
R604
R605
+24VR
7
8
4
6
5
Q601
R603
Q602
+24VR
R601
R602
C602
+24VR
+5V
C601
J601
1
J601
3
J601
4

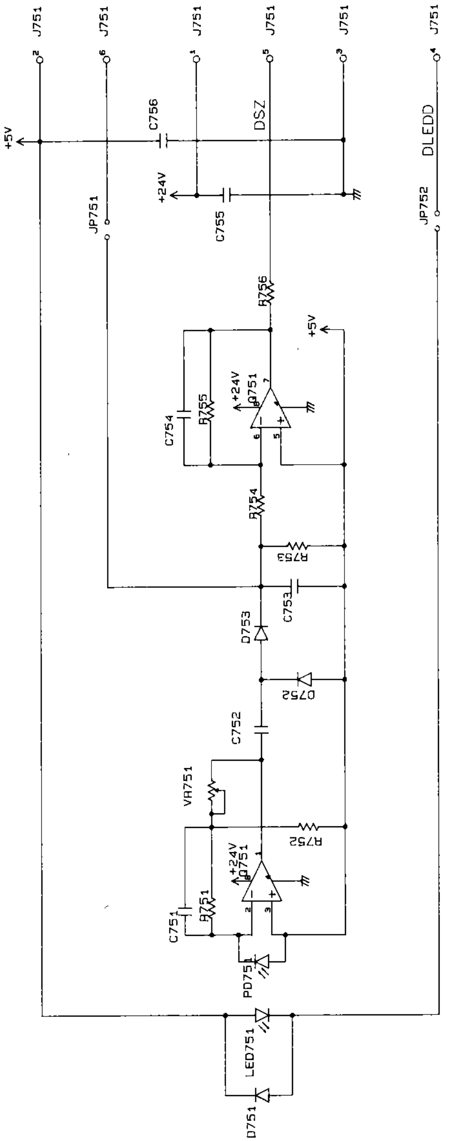
F. DOCUMENT SIZE SENSOR CIRCUIT DIAGRAM

NEW

Note: The circuit diagram shown represents FH1-1348, 1349 02 and is printed on the document size detection PCB.


J751 2
J751 6
J751 1
J751 5
J751 3
J751 4
+5V
C756
DSZ
DLEDD
+24V
C755
JP751
JP752
ZD751
R756
+5V
+24V
Q751
C754
R755
R758
R754
R753
C753
D753
D752
C752
VR751
R752
+24V
Q751
C751
R751
R757
PD751
LED751
D751

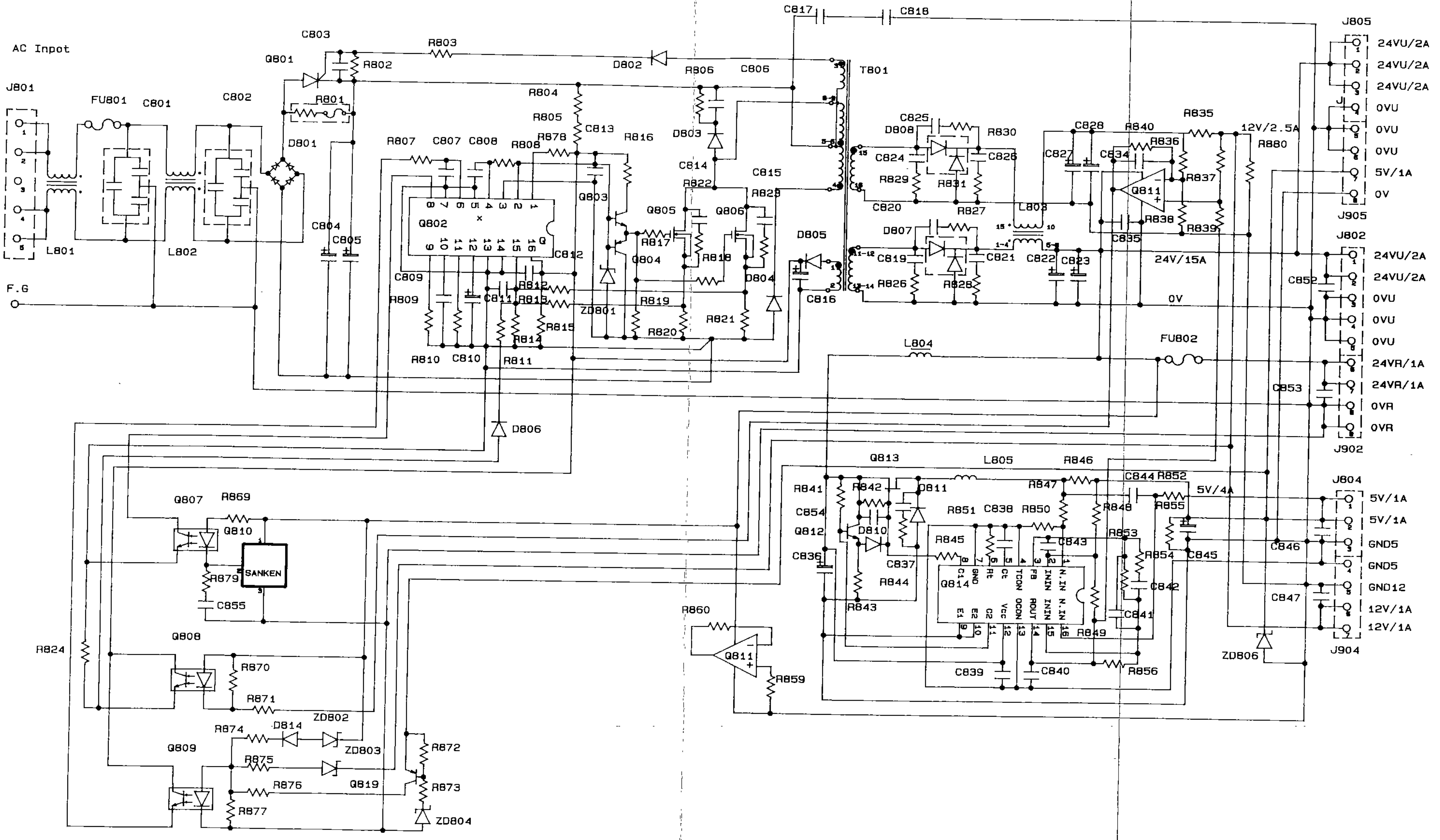
OLD


J751
2
6
1
5
3
4
+5V
C756
DSZ
DLEDD
+24V
C755
JP751
JP752
R756
+5V
+24V
Q751
7
6
5
C754
R755
R754
R753
C753
D753
D752
C752
VR751
R752
+24V
Q751
1
2
3
C751
R751
PD751
LED751
D751

NEW

Note: The circuit diagram shown represents FH1-1537, 1538 [04] and is printed on the DC power supply PCB.

G. DC POWER SUPPLY CIRCUIT DIAGRAM



AC Inpot
J801
FU801
C801
C802
L801
L802
F.G
C803
Q801
R802
R801
D801
R803
D802
C804
C805
R804
R805
R878
R806
R807
C807
C808
Q802
C809
R809
C810
R810
C811
R811
R812
R813
R814
R815
C812
C813
Q803
ZD801
R816
Q804
R817
Q805
R818
R819
R820
R821
R822
R823
Q806
D803
C814
C815
D804
R806
C806
T801
C817
C818
D805
C816
C825
D808
R830
C824
C826
R829
R831
C820
R827
D807
C819
C821
R826
R828
L803
C822
C823
C827
C828
R840
R835
R836
C834
Q811
R837
R838
R839
C835
12V/2.5A
R880
24V/15A
0V
C852
L804
FU802
C853
D806
Q807
R869
Q810
SANKEN
R879
C855
Q808
R870
R871
R824
ZD802
R874
D814
ZD803
Q809
R875
R876
Q819
R877
R872
R873
ZD804
Q813
L805
R846
R841
R842
D811
R847
C844
R852
5V/4A
C854
R851
C838
R850
R848
R855
Q812
D810
R845
C843
R853
C836
C837
R854
C845
Q814
R844
C842
C841
R843
R849
R860
Q811
R859
C839
C840
R856
ZD806
C846
C847
J805
24VU/2A
24VU/2A
24VU/2A
0VU
0VU
0VU
5V/1A
0V
J905
J802
24VU/2A
24VU/2A
0VU
0VU
0VU
24VR/1A
24VR/1A
0VR
0VR
J902
J804
5V/1A
5V/1A
GND5
GND5
GND12
12V/1A
12V/1A
J904

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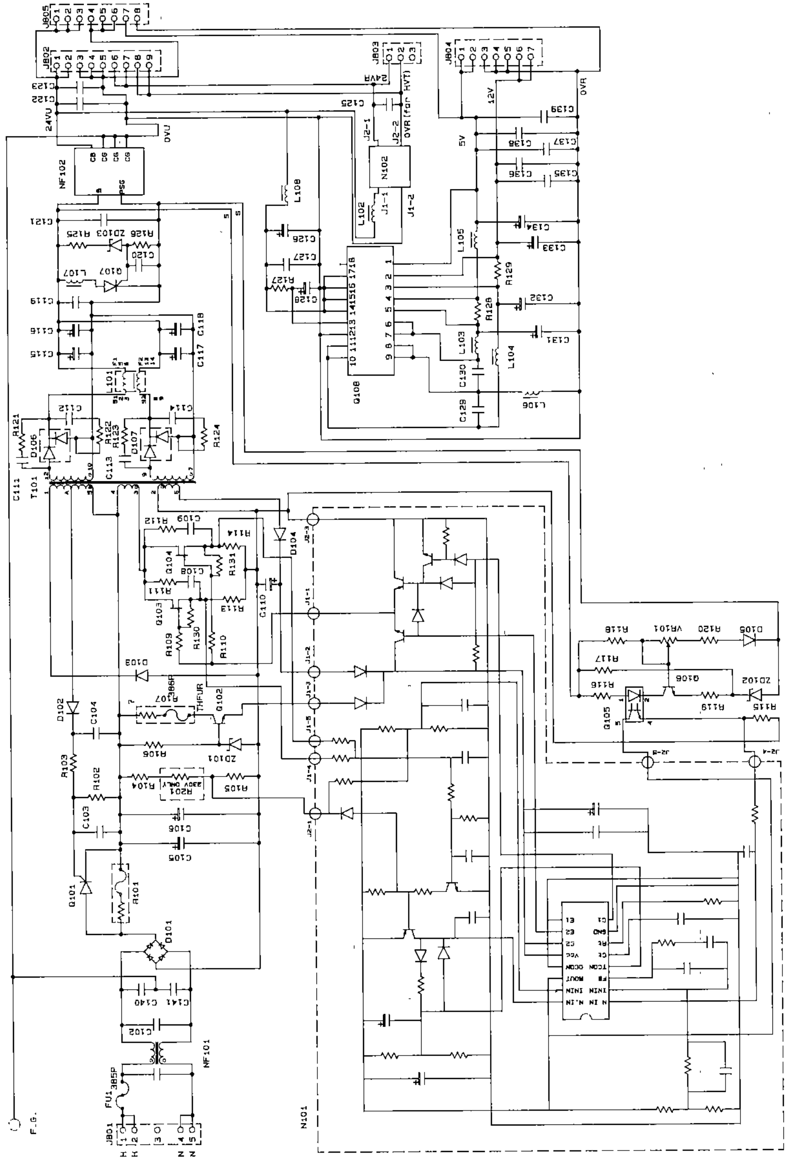
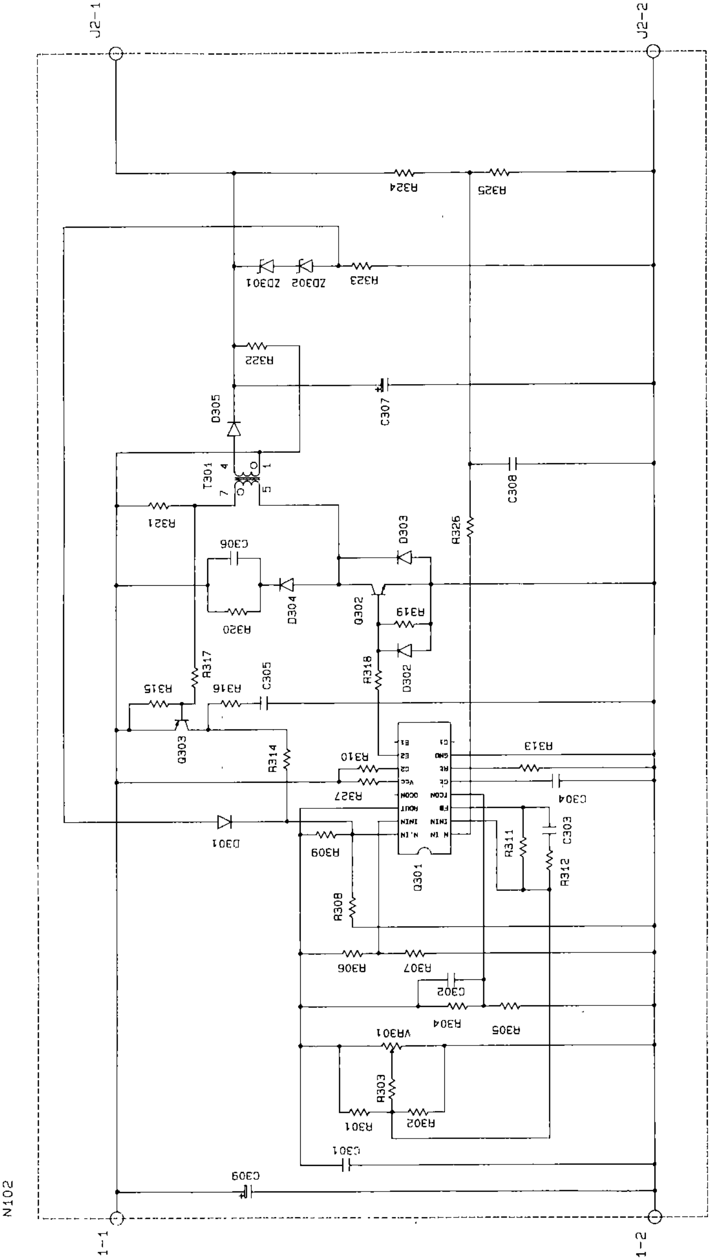
DC POWER SUPPLY CIRCUIT DIAGRAM (1/2)

OLD

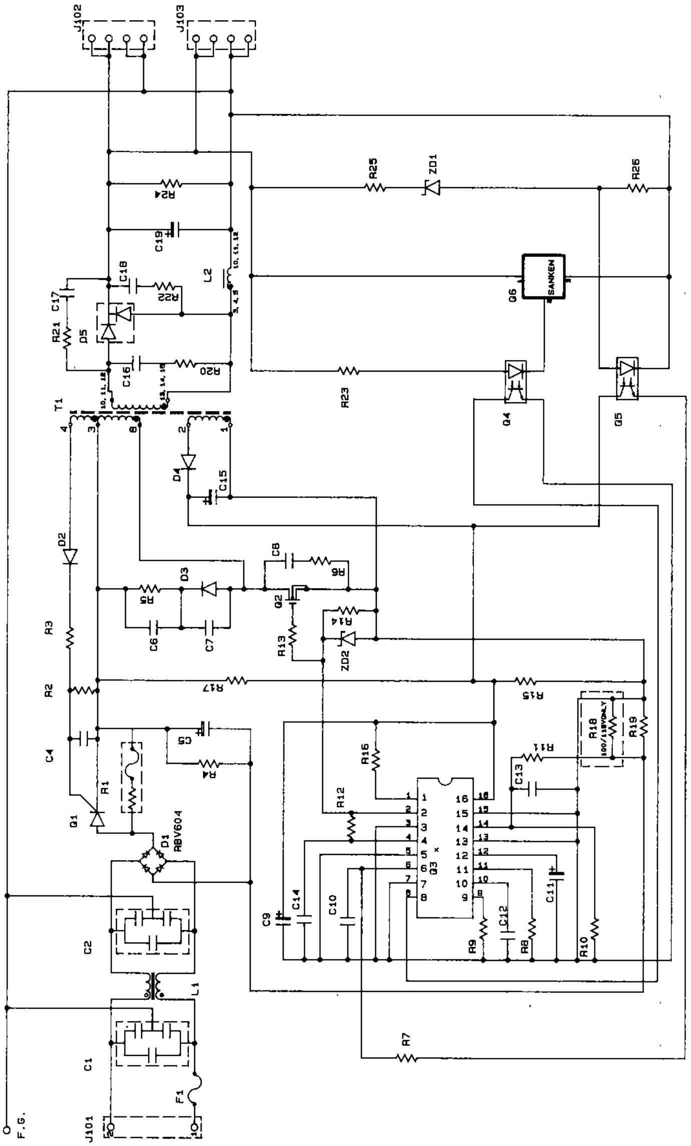

JB05
JB02
JB03
JB04
24VR
J2-1
J2-2
OVR (for HVT)
12V
5V
OVR
24VU
OVU
C123
C122
C125
C139
C138
C137
C136
C135
NF102
N102
L108
L102
J1-1
J1-2
C121
R125
ZD103
R126
C120
L107
Q107
C119
C126
C127
R127
C128
C134
C133
L105
R129
C132
R128
C131
C116
C115
C117
C118
L101
Q108
L103
L104
C130
C129
L106
R121
C112
R122
R123
C114
D106
D107
R124
C111
T101
C113
C109
R112
R114
Q104
C108
R131
R111
R113
D104
C110
Q103
R109
R130
R110
J2-3
J1-1
J1-2
J1-3
J1-5
J1-4
J2-1
D103
THFUR
R107
385P
Q102
D102
C104
R106
ZD101
R103
R102
R104
R201
230V ONLY
R105
C103
C106
C105
Q101
R101
D101
C141
C140
C102
NF101
FU1
385P
F.G.
JB01
H
H
N
N
N101
R118
VR101
R120
D105
R117
R116
Q106
ZD102
Q105
R119
R115
J2-3
J2-4

DC POWER SUPPLY CIRCUIT DIAGRAM (2/2)

OLD


J2-1
J2-2
R324
R325
ZD301
ZD302
R323
R322
C307
D305
T301
4
1
7
5
C308
R326
R321
C306
D303
D304
Q302
R320
R319
R317
R318
D302
R315
R316
C305
Q303
R314
R310
R313
R327
C304
D301
R309
R311
C303
R312
Q301
R308
R306
R307
C302
R304
R305
VR301
R303
R301
R302
C301
C309
N102
J1-1
J1-2

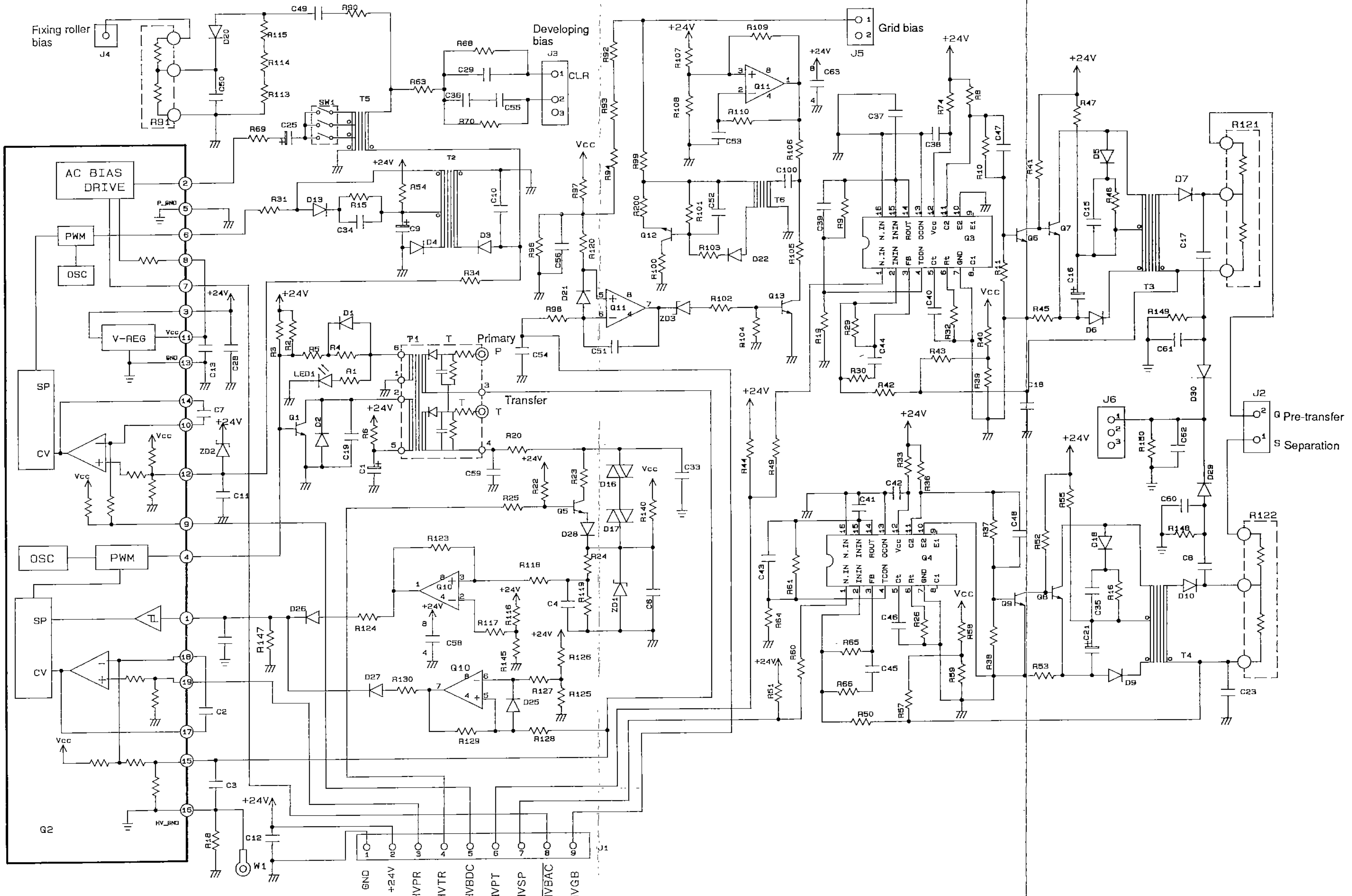
H. DC POWER SUPPLY CIRCUIT DIAGRAM (DF/SORTER)


J102
J103
R24
C19
L2
10, 11, 12
3, 4, 5
R25
ZD1
R26
Q6
SANKEN
C18
R22
C17
R21
D5
C16
R20
R23
T1
Q4
Q5
D4
C15
D2
C8
R6
D3
R5
Q2
R14
R13
ZD2
C6
C7
R3
R2
R17
R15
R18
100/115V ONLY
R19
C4
C5
R4
R16
R11
C13
R1
Q1
R12
D1
RBV604
Q3
C9
C14
C10
C11
C12
R9
R8
R10
C2
L1
R7
C1
F1
F.G.
J101

NEW

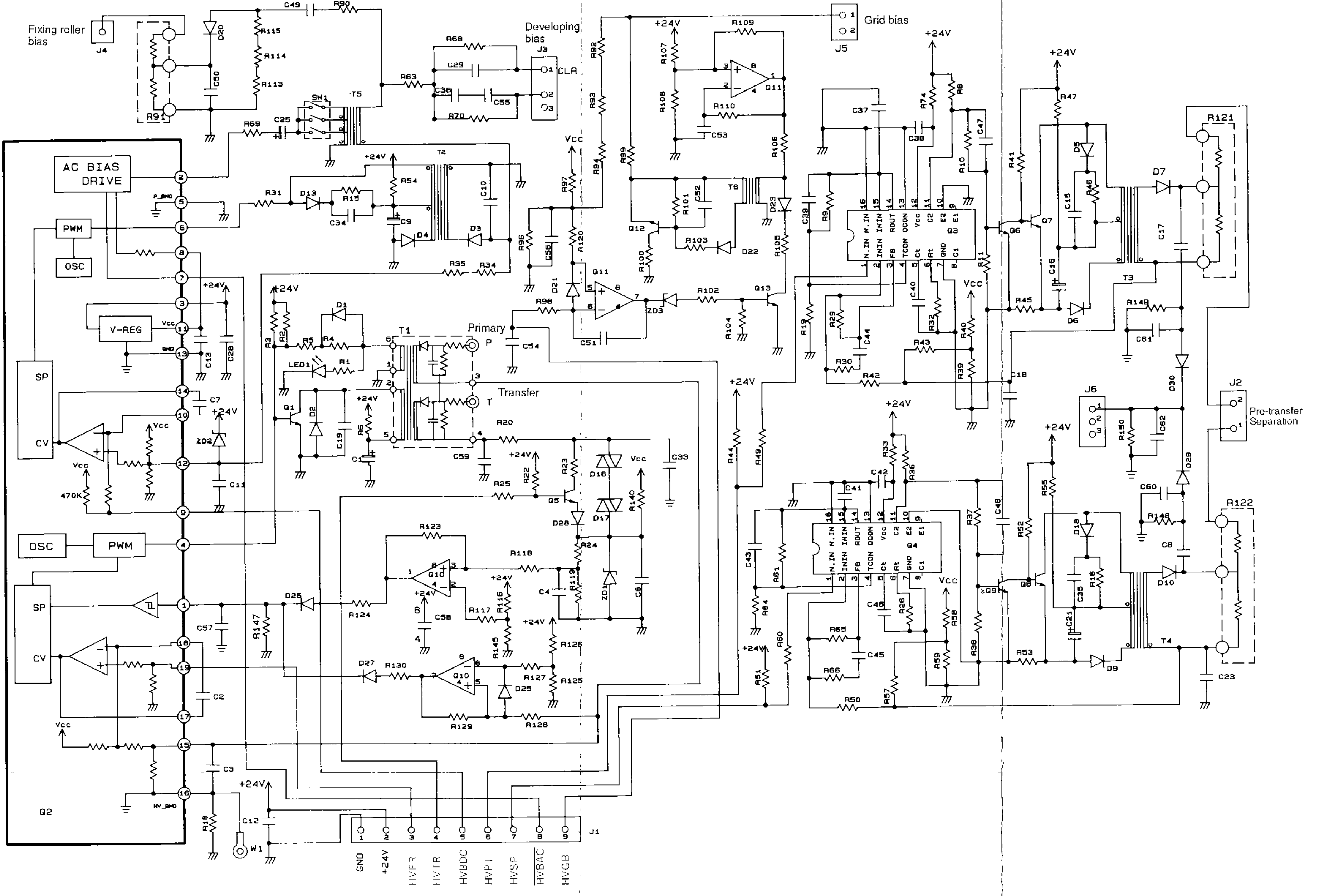
Note: The circuit diagram shown represents FH1-1379 05 and is printed on the HVT PCB.

I. HVT CIRCUIT DIAGRAM

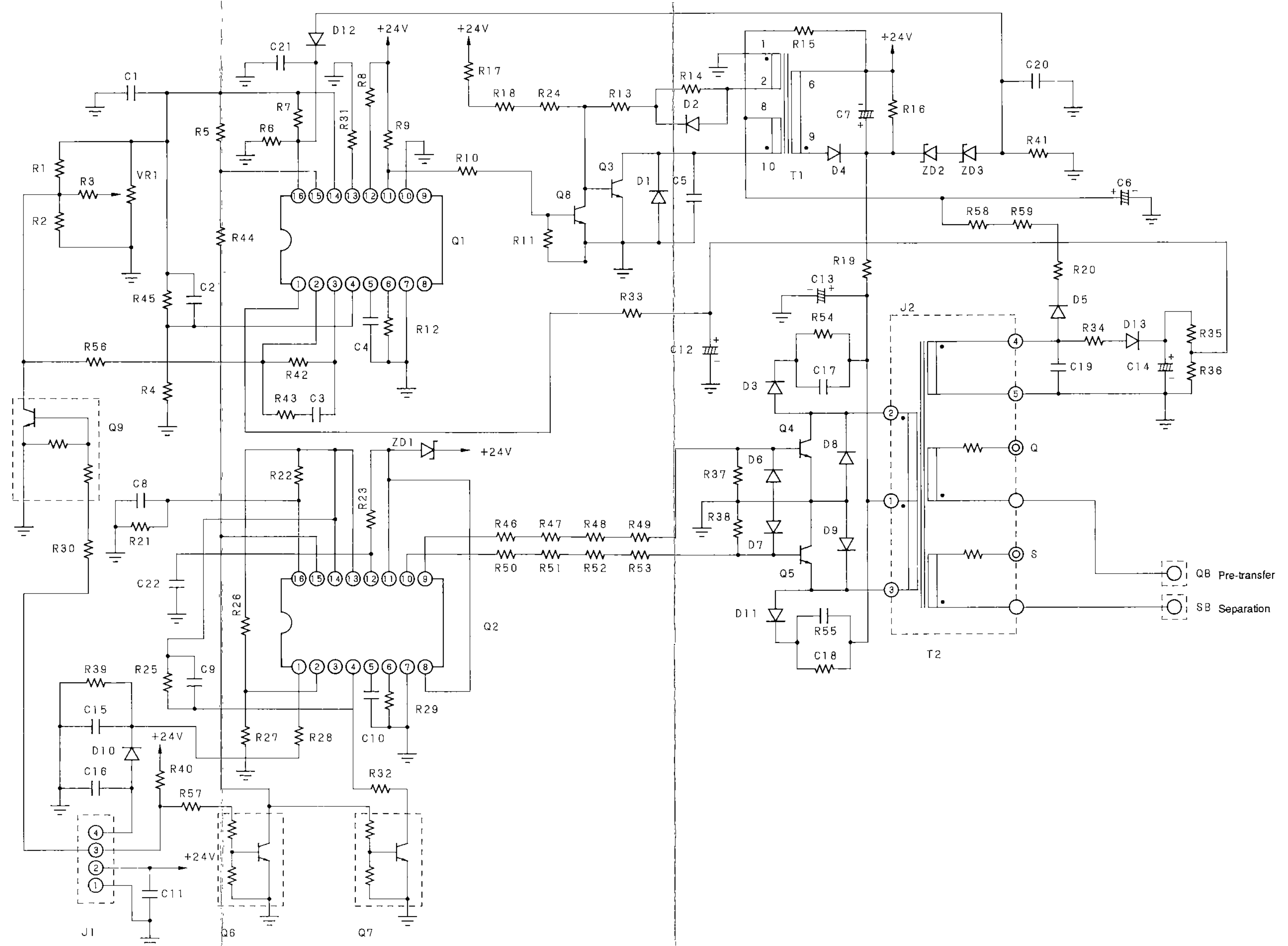


Fixing roller bias
J4
R91
Developing bias
J3
CLR
Grid bias
J5
AC BIAS DRIVE
P_GND
PWM
OSC
V-REG
Vcc
GND
SP
CV
Q2
HV_GND
W1
T1
T2
T3
T4
T5
T6
SW1
Primary
P
Transfer
T
J6
J2
Pre-transfer
Separation
R121
R122
Q3
Q4
Q11
Q10
+24V
Vcc
J1
GND
+24V
HVPR
HVTR
HVBDC
HVPT
HVSP
HVBAC
HVGB

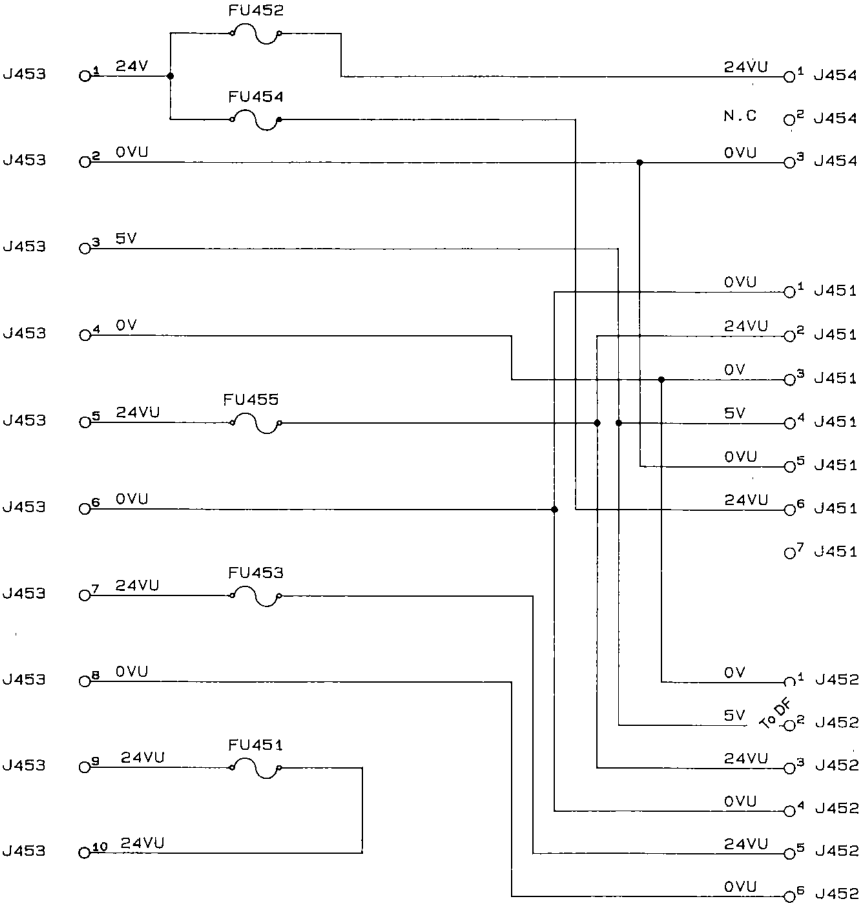
OLD


Fixing roller bias
J4
R91
D20
C50
C49
R90
R115
R114
R113
SW1
T5
R69
C25
Developing bias
J3
CLA
R68
C29
R63
C36
C55
R70
Grid bias
J5
+24V
R109
R107
R108
Q11
R110
C53
R92
R93
R94
R99
R106
R101
C52
T6
D23
Q12
R100
R103
D22
R105
R102
Q13
R104
ZD3
AC BIAS DRIVE
PWM
OSC
V-REG
SP
CV
Vcc
470K
P_GND
GND
HV_GND
Q2
C13
C28
C7
ZD2
C11
C57
C2
C3
R18
C12
W1
T2
R31
D13
R15
C34
R54
C9
D4
D3
C10
R35
R34
T1
Primary
P
Transfer
T
R3
R2
R5
R4
D1
LED1
R1
Q1
D2
C19
R6
C1
C59
C54
R98
C51
R96
C55
R97
R120
D21
R20
C33
R22
R23
R25
Q5
D16
D17
D28
R140
R24
R119
ZD1
C6
C4
R123
Q10
R118
R124
D25
C58
R117
R116
R145
R126
R127
R125
D27
R130
R129
R128
R147
J1
GND
+24V
HVPR
HVTR
HVBDC
HVPT
HVSP
HVBAC
HVGB
C37
C38
R74
R8
C47
R10
R9
C39
Q3
R19
R29
C40
R32
C44
R30
R42
R43
R40
R39
C18
R11
Q6
Q7
R41
R47
D5
C15
R46
C16
R45
D6
T3
D7
C17
R121
R149
C61
D30
J6
R150
C62
D29
J2
Pre-transfer Separation
R44
R49
R33
R36
C41
C42
C43
R61
Q4
R64
R60
R51
R65
C45
R66
R50
R57
C46
R28
R58
R59
R37
C48
R38
R52
Q9
Q8
R55
D18
C35
R16
C21
R53
D9
T4
D10
C60
R148
C8
R122
C23

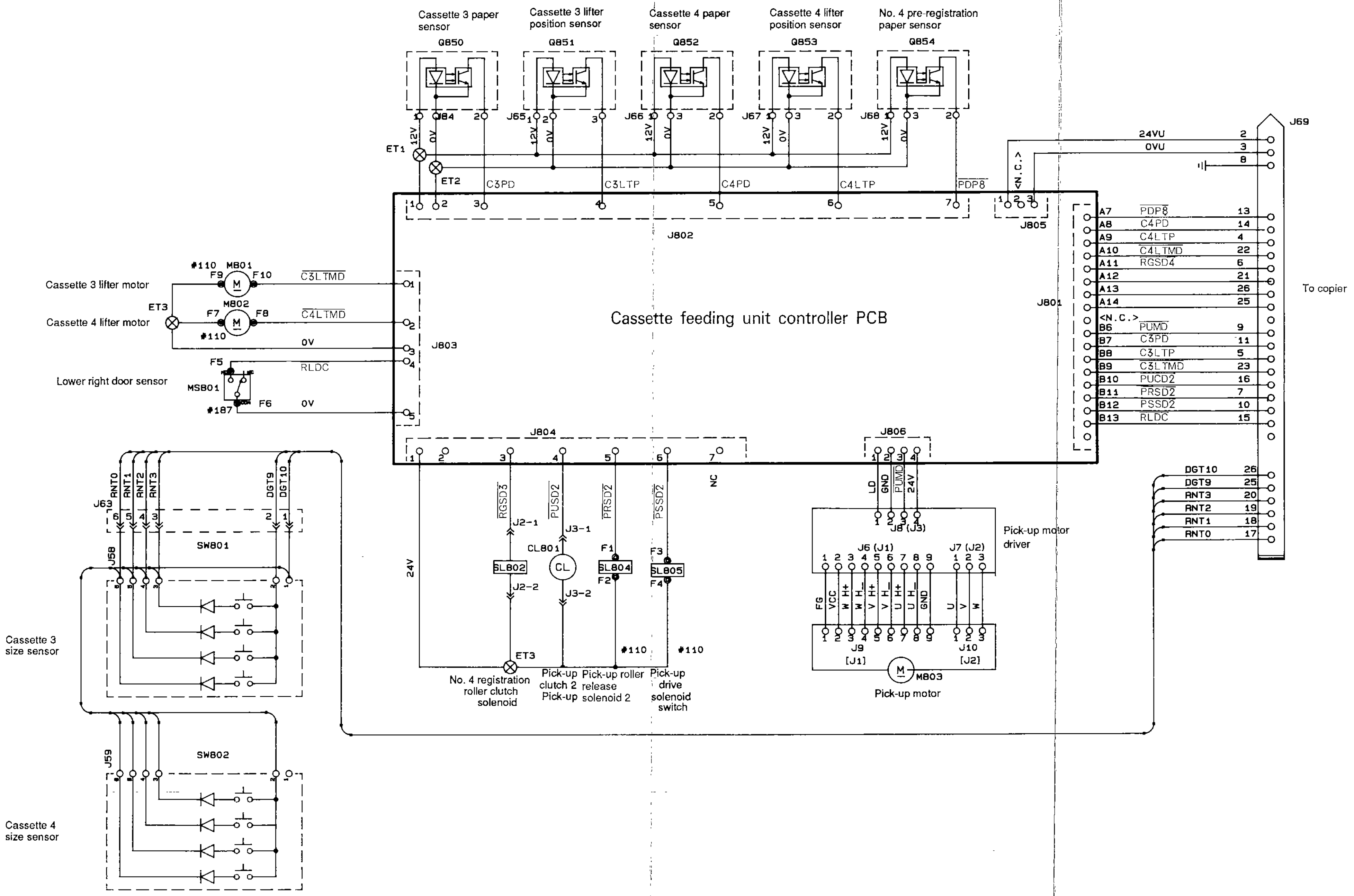
J. HVT AC CIRCUIT DIAGRAM


D12
+24V
C21
+24V
R17
C1
R7
R6
R5
R8
R31
R9
R18
R24
R13
R14
D2
R15
+24V
1
2
8
9
10
6
T1
C7
R16
C20
R41
D4
ZD2
ZD3
C6
R58
R59
R10
Q3
D1
C5
Q8
R11
Q1
R1
R3
VR1
R2
R44
R45
C2
R12
C4
R56
R42
R4
R43
C3
Q9
R33
C12
R19
C13
R54
C17
D3
R20
D5
J2
R34
D13
R35
C19
C14
R36
Q4
D8
D6
R37
R38
D7
D9
Q5
D11
R55
C18
T2
Q
S
QB Pre-transfer
SB Separation
ZD1
+24V
R22
C8
R21
R30
R23
R46
R47
R48
R49
R50
R51
R52
R53
C22
R26
Q2
R39
R25
C9
C15
D10
C16
+24V
R40
R57
R27
R28
C10
R29
R32
+24V
C11
J1
Q6
Q7

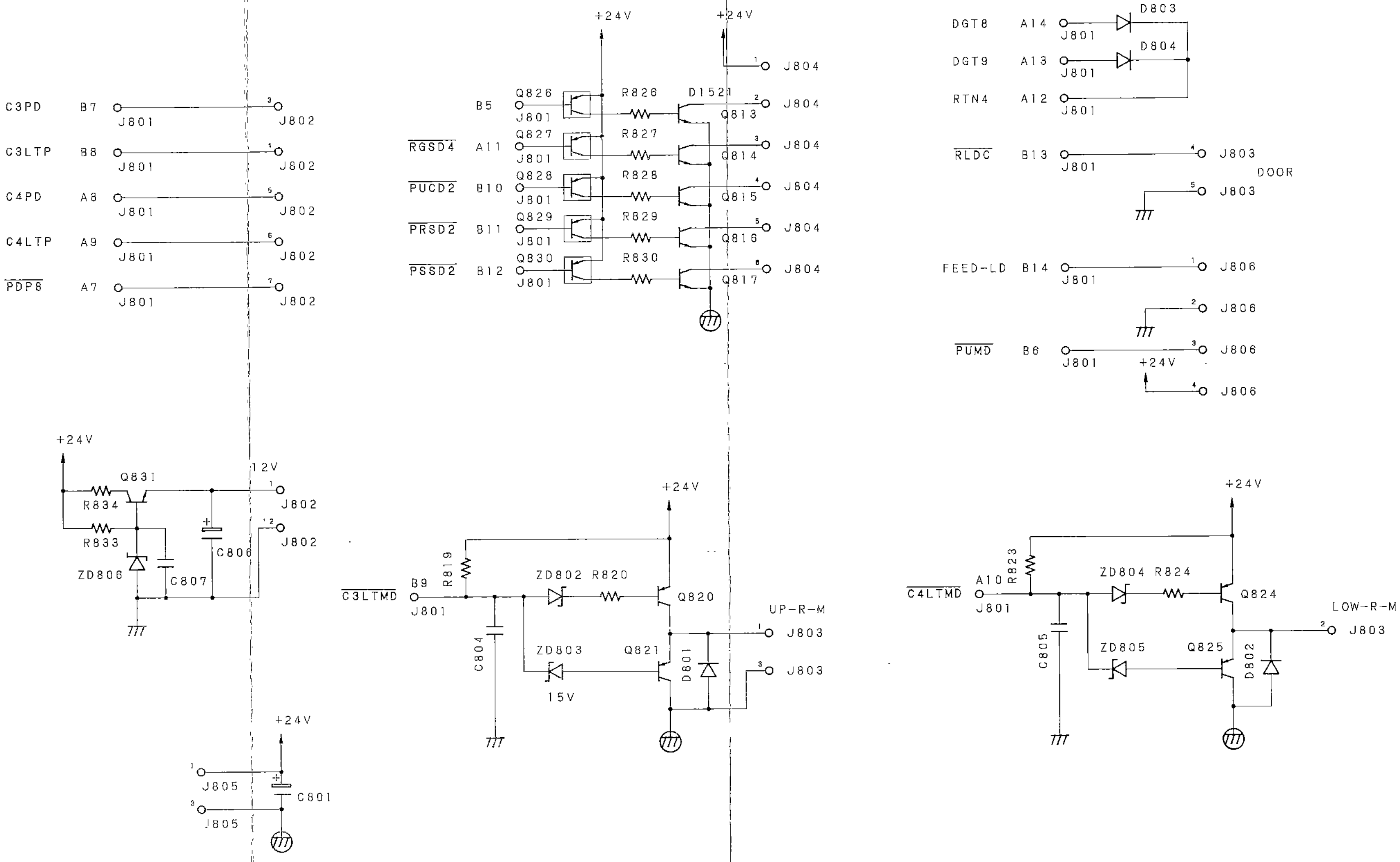
K. FUSE CIRCUIT DIAGRAM


FU452
J453 1 24V
24VU 1 J454
FU454
N.C 2 J454
J453 2 0VU
0VU 3 J454
J453 3 5V
0VU 1 J451
J453 4 0V
24VU 2 J451
0V 3 J451
FU455
J453 5 24VU
5V 4 J451
0VU 5 J451
J453 6 0VU
24VU 6 J451
7 J451
FU453
J453 7 24VU
J453 8 0VU
0V 1 J452
5V To DF 2 J452
FU451
J453 9 24VU
24VU 3 J452
0VU 4 J452
J453 10 24VU
24VU 5 J452
0VU 6 J452

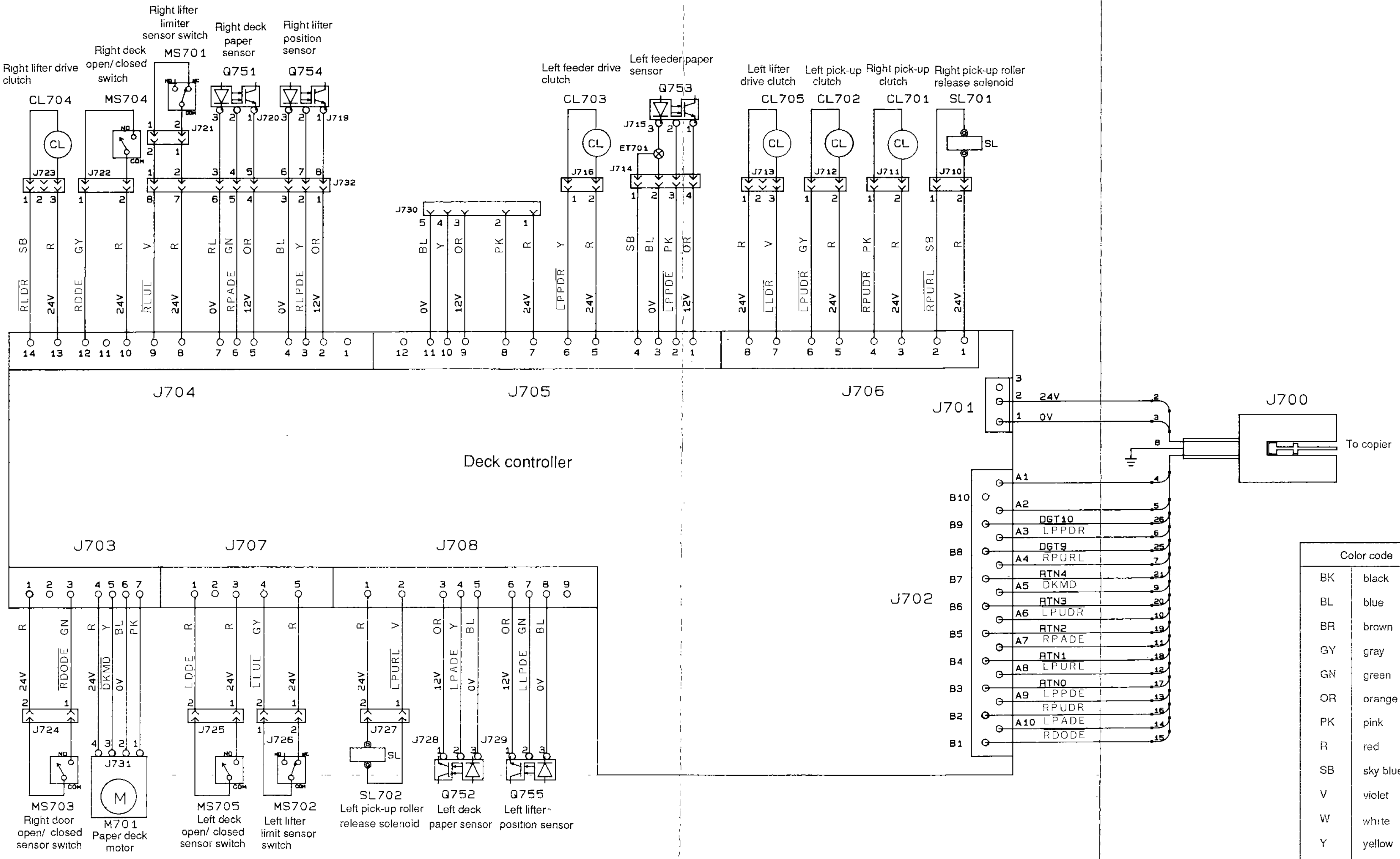
L. CASSETTE FEEDING UNIT GENERAL CIRCUIT DIAGRAM


Cassette 3 paper sensor
Q850
Cassette 3 lifter position sensor
Q851
Cassette 4 paper sensor
Q852
Cassette 4 lifter position sensor
Q853
No. 4 pre-registration paper sensor
Q854
J84
J65
J66
J67
J68
12V
0V
ET1
ET2
C3PD
C3LTP
C4PD
C4LTP
PDP8
<N.C.>
J802
J805
24VU
0VU
J69
To copier
Cassette feeding unit controller PCB
J801
A7 PDP8 13
A8 C4PD 14
A9 C4LTP 4
A10 C4LTMD 22
A11 RGSD4 6
A12 21
A13 26
A14 25
<N.C.>
B6 PUMD 9
B7 C3PD 11
B8 C3LTP 5
B9 C3LTMD 23
B10 PUCD2 16
B11 PRSD2 7
B12 PSSD2 10
B13 RLDC 15
Cassette 3 lifter motor
#110 M801
F9
F10
C3LTMD
ET3
M802
Cassette 4 lifter motor
F7
F8
C4LTMD
#110
0V
J803
F5
RLDC
Lower right door sensor
MS801
#187
F6
0V
J804
J806
NC
RGSD3
PUSD2
PRSD2
PSSD2
J2-1
J2-2
J3-1
J3-2
CL801
CL
SL802
F1
SL804
F2
F3
SL805
F4
24V
#110
#110
ET3
No. 4 registration roller clutch solenoid
Pick-up clutch 2
Pick-up roller release solenoid 2
Pick-up drive solenoid switch
LD
GND
PUMD
24V
J8 (J3)
Pick-up motor driver
J6 (J1)
J7 (J2)
FG
VCC
W H+
W H-
V H+
V H-
U H+
U H-
GND
U
V
W
J9
[J1]
J10
[J2]
M803
Pick-up motor
DGT10 26
DGT9 25
RNT3 20
RNT2 19
RNT1 18
RNT0 17
RNT0
RNT1
RNT2
RNT3
DGT9
DGT10
J63
SW801
J58
Cassette 3 size sensor
SW802
J59
Cassette 4 size sensor

M. CASSETTE FEEDING UNIT CONTROLLER CIRCUIT DIAGRAM

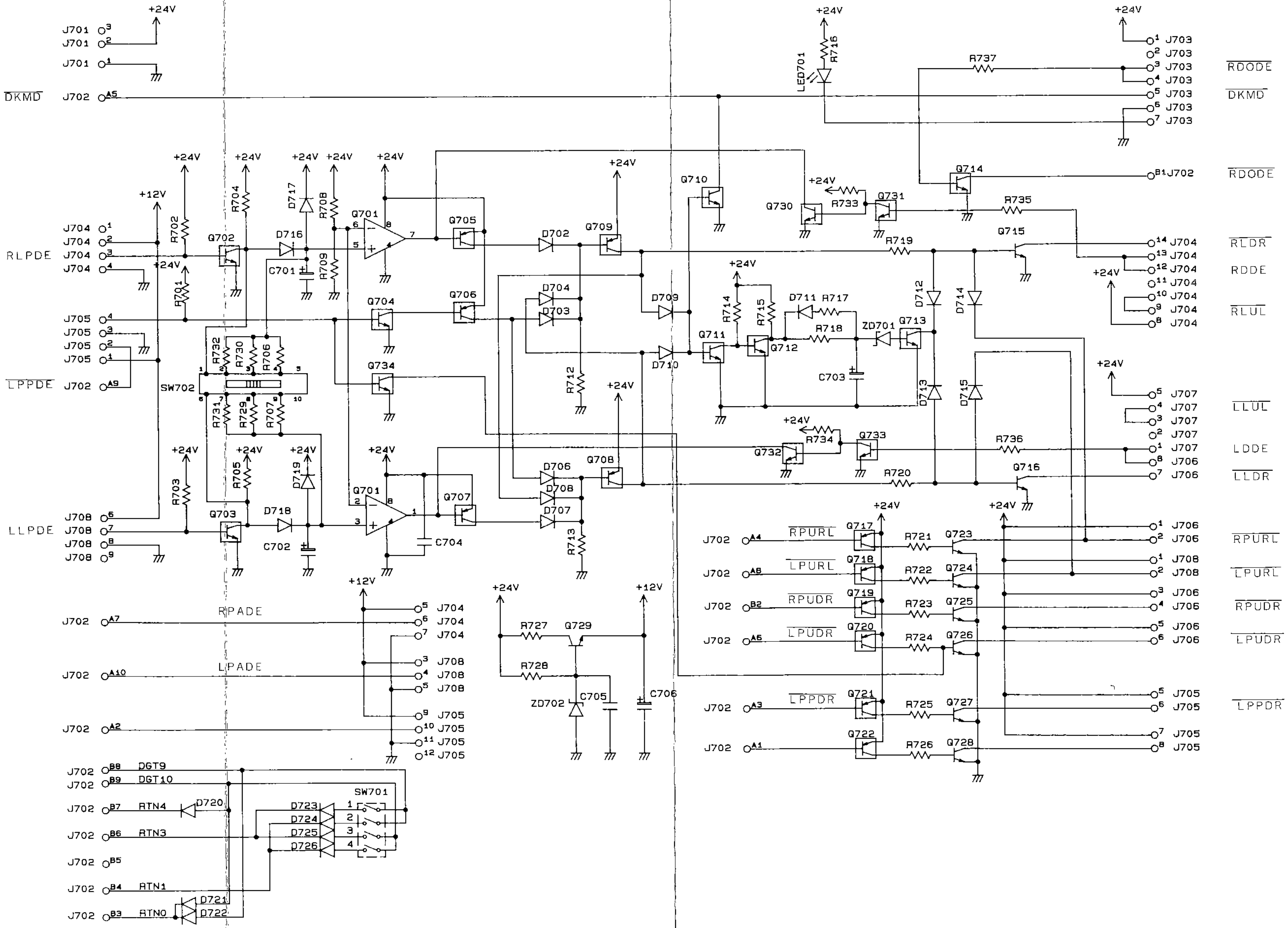

C3PD B7 J801 J802
C3LTP B8 J801 J802
C4PD A8 J801 J802
C4LTP A9 J801 J802
PDP8 A7 J801 J802
+24V
+24V
B5 Q826 J801 R826 D1521 Q813 J804
RGSD4 A11 Q827 J801 R827 Q814 J804
PUCD2 B10 Q828 J801 R828 Q815 J804
PRSD2 B11 Q829 J801 R829 Q816 J804
PSSD2 B12 Q830 J801 R830 Q817 J804
J804
DGT8 A14 J801 D803
DGT9 A13 J801 D804
RTN4 A12 J801
RLDC B13 J801 J803
DOOR
J803
FEED-LD B14 J801 J806
J806
PUMD B6 J801 J806
+24V
J806
+24V
Q831
R834
R833
ZD806
C807
C806
12V
J802
J802
+24V
R819
B9
C3LTMD
J801
C804
ZD802 R820
Q820
ZD803
15V
Q821
D801
UP-R-M
J803
J803
+24V
R823
A10
C4LTMD
J801
C805
ZD804 R824
Q824
ZD805
Q825
D802
LOW-R-M
J803
+24V
J805
J805
C801

N. PAPER DECK PEDESTAL GENERAL CIRCUIT DIAGRAM


Right lifter drive clutch
CL704
CL
J723
1 2 3
SB R
RLDR 24V
Right deck open/ closed switch
MS704
NO COM
J722
GY R
RDDE 24V
Right lifter limiter sensor switch
MS701
NO NC COM
J721
V R
RLUL 24V
Right deck paper sensor
Q751
J720
RL GN OR
0V RPADE 12V
Right lifter position sensor
Q754
J719
J732
BL Y OR
0V RLPDE 12V
J730
BL Y OR PK R
0V 12V 24V
Left feeder drive clutch
CL703
J716
Y R
LPPDR 24V
Left feeder paper sensor
Q753
J715
ET701
J714
SB BL PK OR
0V LPPDE 12V
Left lifter drive clutch
CL705
J713
R V
24V LLDR
Left pick-up clutch
CL702
J712
GY R
LPUDR 24V
Right pick-up clutch
CL701
J711
PK R
RPUDR 24V
Right pick-up roller release solenoid
SL701
SL
J710
SB R
RPURL 24V
14 13 12 11 10 9 8 7 6 5 4 3 2 1
J704
12 11 10 9 8 7 6 5
J705
4 3 2 1 8 7 6 5 4 3 2 1
J706
J701
3
2 24V
1 0V
J700
To copier
Deck controller
J702
A1 A2 A3 A4 A5 A6 A7 A8 A9 A10
B10 B9 B8 B7 B6 B5 B4 B3 B2 B1
DGT10
LPPDR
DGT9
RPURL
RTN4
DKMD
RTN3
LPUDR
RTN2
RPADE
RTN1
LPURL
RTNO
LPPDE
RPUDR
LPADE
RDODE
2 3 8 4 5 26 6 25 7 21 9 20 10 19 11 18 12 17 13 16 14 15
J703
1 2 3 4 5 6 7
J707
1 2 3 4 5
J708
1 2 3 4 5 6 7 8 9
R GN
24V RDODE
J724
MS703
Right door open/ closed sensor switch
R Y BL PK
24V DKMD 0V
J731
M
M701
Paper deck motor
R R GY R
LDDE 24V LLUL 24V
J725
MS705
Left deck open/ closed sensor switch
J726
MS702
Left lifter limit sensor switch
R V
24V LPURL
J727
SL
SL702
Left pick-up roller release solenoid
OR Y BL
12V LPADE 0V
J728
Q752
Left deck paper sensor
OR GN BL
12V LLPDE 0V
J729
Q755
Left lifter position sensor

Color code	
BK	black
BL	blue
BR	brown
GY	gray
GN	green
OR	orange
PK	pink
R	red
SB	sky blue
V	violet
W	white
Y	yellow
YG	yellow green

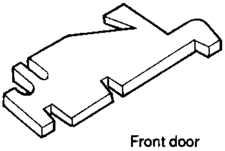
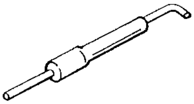
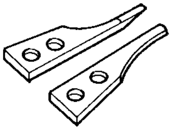
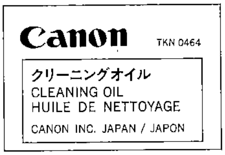
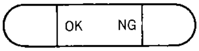
O. DECK CONTROLLER CIRCUIT DIAGRAM



J701
J702
J703
J704
J705
J706
J707
J708
DKMD
RLPDE
LPPDE
LLPDE
RPADE
LPADE
RDODE
RLDR
RDDE
RLUL
LLUL
LDDE
LLDR
RPURL
LPURL
RPUDR
LPUDR
LPPDR
DGT9
DGT10
RTN4
RTN3
RTN1
RTNO
+24V
+12V
SW701
SW702
LED701
Q701
Q702
Q703
Q704
Q705
Q706
Q707
Q708
Q709
Q710
Q711
Q712
Q713
Q714
Q715
Q716
Q717
Q718
Q719
Q720
Q721
Q722
Q723
Q724
Q725
Q726
Q727
Q728
Q729
Q730
Q731
Q732
Q733
Q734
D702
D703
D704
D706
D707
D708
D709
D710
D711
D712
D713
D714
D715
D716
D717
D718
D719
D720
D721
D722
D723
D724
D725
D726
ZD701
ZD702
C701
C702
C703
C704
C705
C706
R701
R702
R703
R704
R705
R706
R707
R708
R709
R712
R713
R714
R715
R716
R717
R718
R719
R720
R721
R722
R723
R724
R725
R726
R727
R728
R729
R730
R731
R732
R733
R734
R735
R736
R737

P. SPECIAL PURPOSE TOOLS

Special tools which are required for servicing this copier, in addition to the standard tools set, are listed below.

No.	Tool name	Tool No.	Shape	Code*	Application/Remarks
1	Door switch actuator	TKN-0093		A	
2	Spring scale (compression)	CK-0054		B	• Measuring strength of cassette springs • Adjusting scanner drive cable tension
3	Extension blades for pliers	CK-0426		B	Removing grip rings: 4 – 9 mm
4	Cleaning oil	TKN-0464	 Canon TKN 0464 クリーニングオイル CLEANING OIL HUILE DE NETTOYAGE CANON INC. JAPAN / JAPON	A	Cleaning fixing rollers (10 pcs./1 carton)
5	Damping material	CK-0439		A	For corona wire (200g/tube)
6	Gap gauges	FY9-3006		B	For adjusting the gap between the developing blade and the developing cylinder.

Code*

A: Each service technician should carry one with him.
B: A group of five service technicians should share one.
C: Each workshop should keep one.

Q. SOLVENTS/OILS TABLE

No.	Item	Use	Chemical formula, mixture ratio, etc.	Source	Remarks
1.	Ethyl alcohol (Ethanol) Isopropyl alcohol (Isopropanol)	Cleaning: copyboard, glass, mirror, etc.	C_2H_5O $(CHZ_3)_2$ CHOH	Locally	Flammable. Use in a well-ventilated area. Avoid breathing concentrated vapor.
2.	MEK	Removing toner or oil stains	$CH_3COC_2H_5$ Methylethyl ketone	Locally	Flammble. Use in a well-ventilated area and avoid breathing concentrated vapor. Avoid contact with eyes or skin. Do not use on cleaning drum, plastic molded parts, or corona wires.
3.	Heat-resistant grease	Lubricating the drive mechanisms, e.g., copyboard driving gear, fixing drive gear, fixing ass'y, etc.		CANON	Tool No.: CK-0427 (500g/can) (equivalent grease may be used if able to withstand 200°C for extended periods of time.)
4.	Lubricating oil (low viscosity)	Lubricating: scanner rail, etc.	ISO VG 68 oil ESSO Febis K68 MOBIL Vactaoil No. 2 SHELL Tonna oil T68	Locally	Equivalent oil may be used. Tool No.: CK-0451 (100cc)
5.	Lubricating oil (low viscosity)	Lubrication point: one-way clutch in pick-up control unit	ISO VG 220 oil ESSO Febis K220 MOBIL Vactraoil No. 4	Locally	Equivalent oil may be used. Tool No.: CK-0524 (100cc)
6.	Detergent	Cleaning: covers and panels of the machine	Mild detergent solution	Locally	Dish-washing detergent is acceptable.

NP-4050

PARTS
CATALOG

REVISION 1 SEPT. 1992

Canon
FY8-31AM-010

CANON NP-4050 REV.1 SEPT. 1992 PRINTED IN JAPAN

FIGURE A ASSEMBLY LOCATION DIAGRAM (1/3)
主要部品配置図 (1/3)

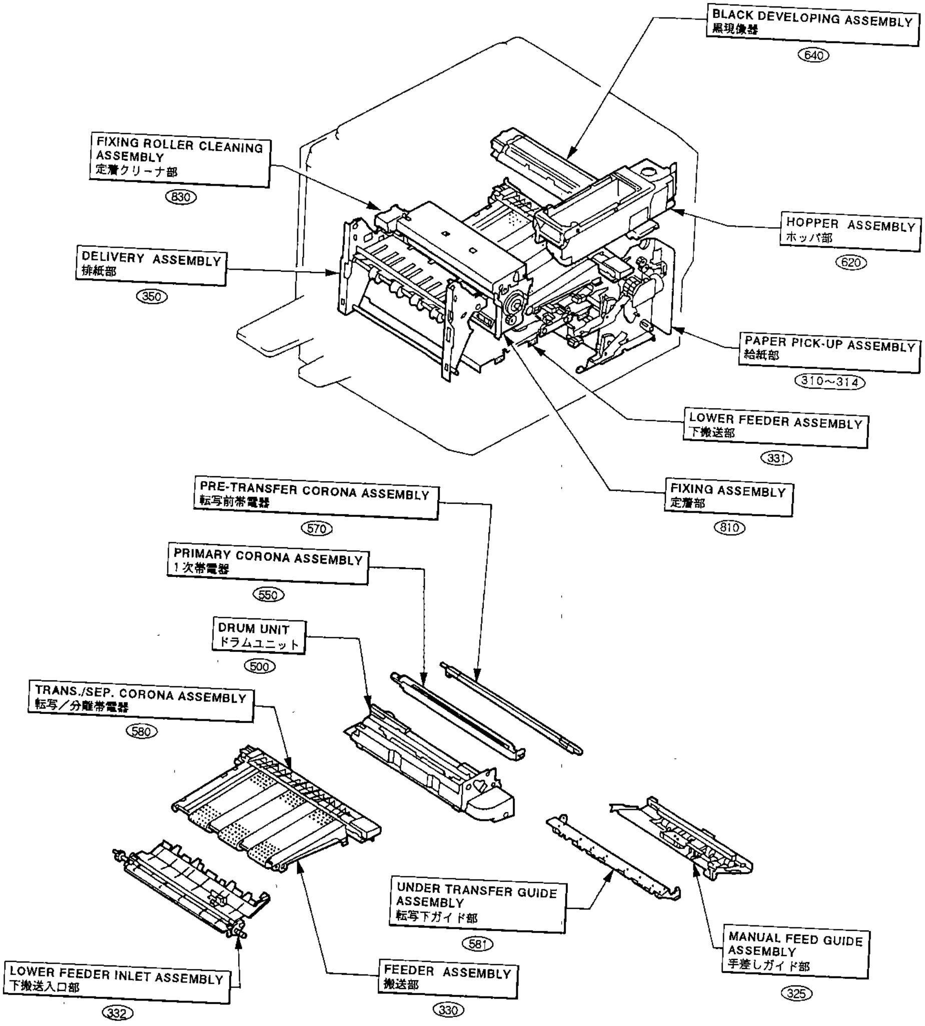
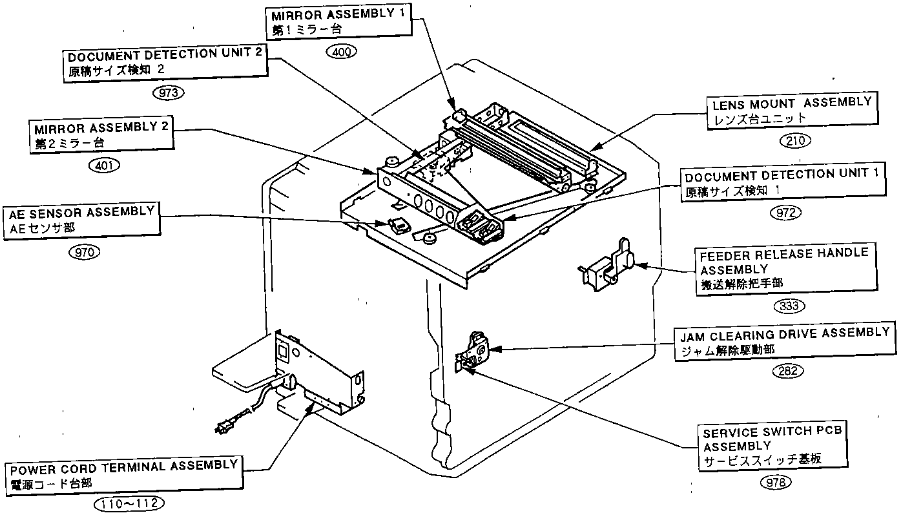

BLACK DEVELOPING ASSEMBLY
黒現像器
640
FIXING ROLLER CLEANING ASSEMBLY
定着クリーナ部
830
HOPPER ASSEMBLY
ホッパ部
620
DELIVERY ASSEMBLY
排紙部
350
PAPER PICK-UP ASSEMBLY
給紙部
310~314
LOWER FEEDER ASSEMBLY
下搬送部
331
FIXING ASSEMBLY
定着部
810
PRE-TRANSFER CORONA ASSEMBLY
転写前帯電器
570
PRIMARY CORONA ASSEMBLY
1次帯電器
550
DRUM UNIT
ドラムユニット
500
TRANS./SEP. CORONA ASSEMBLY
転写／分離帯電器
580
UNDER TRANSFER GUIDE ASSEMBLY
転写下ガイド部
581
MANUAL FEED GUIDE ASSEMBLY
手差しガイド部
325
LOWER FEEDER INLET ASSEMBLY
下搬送入口部
332
FEEDER ASSEMBLY
搬送部
330

FIGURE A ASSEMBLY LOCATION DIAGRAM ($^2/_3$)
主要部品配置図 ($^2/_3$)


MIRROR ASSEMBLY 1
第1ミラー台
400
DOCUMENT DETECTION UNIT 2
原稿サイズ検知 2
973
LENS MOUNT ASSEMBLY
レンズ台ユニット
210
MIRROR ASSEMBLY 2
第2ミラー台
401
DOCUMENT DETECTION UNIT 1
原稿サイズ検知 1
972
AE SENSOR ASSEMBLY
AEセンサ部
970
FEEDER RELEASE HANDLE ASSEMBLY
搬送解除把手部
333
JAM CLEARING DRIVE ASSEMBLY
ジャム解除駆動部
282
SERVICE SWITCH PCB ASSEMBLY
サービススイッチ基板
978
POWER CORD TERMINAL ASSEMBLY
電源コード台部
110~112

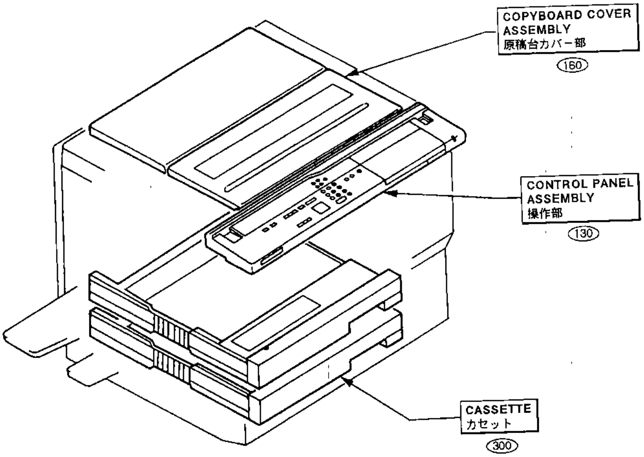

COPYBOARD COVER ASSEMBLY
原稿台カバー部
160
CONTROL PANEL ASSEMBLY
操作部
130
CASSETTE
カセット
300

FIGURE A ASSEMBLY LOCATION DIAGRAM $(^{3}/_{3})$
主要部品配置図 $(^{3}/_{3})$

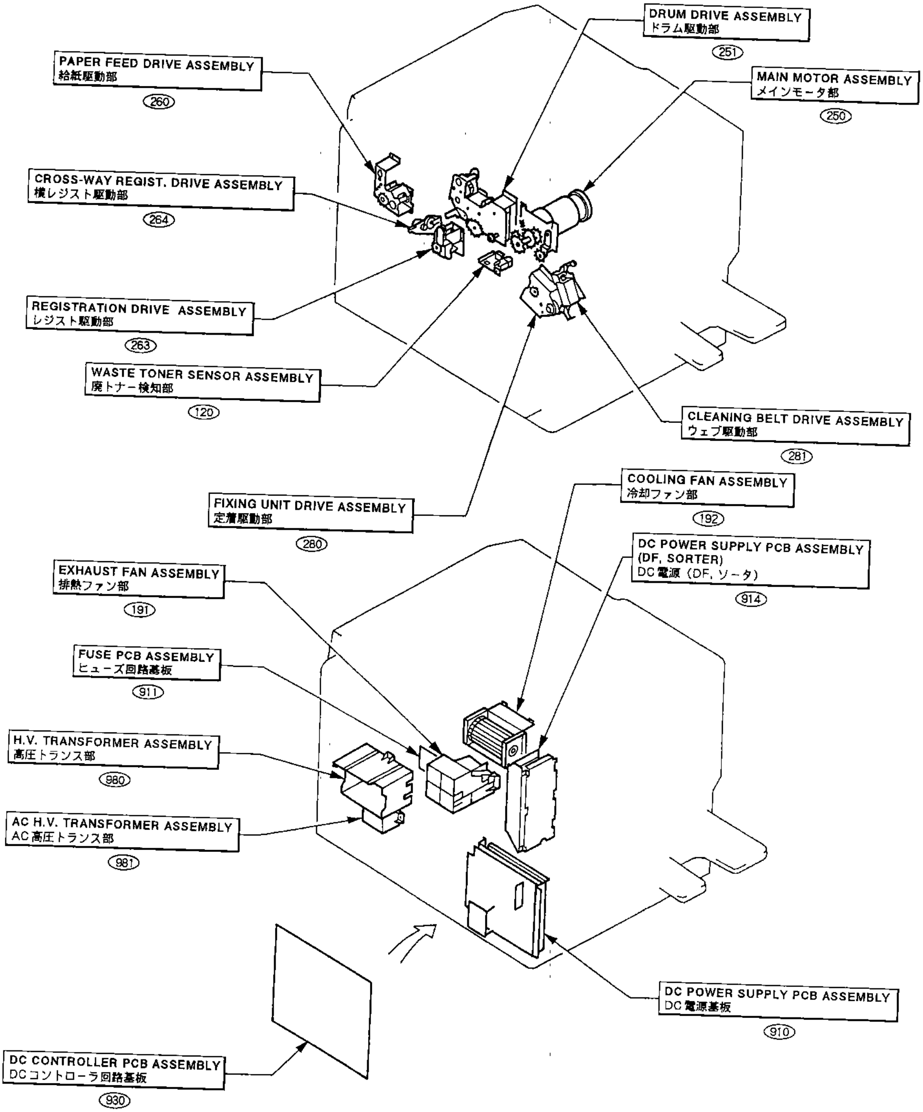

PAPER FEED DRIVE ASSEMBLY
給紙駆動部
260
CROSS-WAY REGIST. DRIVE ASSEMBLY
横レジスト駆動部
264
REGISTRATION DRIVE ASSEMBLY
レジスト駆動部
263
WASTE TONER SENSOR ASSEMBLY
廃トナー検知部
120
FIXING UNIT DRIVE ASSEMBLY
定着駆動部
280
DRUM DRIVE ASSEMBLY
ドラム駆動部
251
MAIN MOTOR ASSEMBLY
メインモータ部
250
CLEANING BELT DRIVE ASSEMBLY
ウェブ駆動部
281
COOLING FAN ASSEMBLY
冷却ファン部
192
DC POWER SUPPLY PCB ASSEMBLY (DF, SORTER)
DC電源（DF, ソータ）
914
EXHAUST FAN ASSEMBLY
排熱ファン部
191
FUSE PCB ASSEMBLY
ヒューズ回路基板
911
H.V. TRANSFORMER ASSEMBLY
高圧トランス部
980
AC H.V. TRANSFORMER ASSEMBLY
AC高圧トランス部
981
DC POWER SUPPLY PCB ASSEMBLY
DC電源基板
910
DC CONTROLLER PCB ASSEMBLY
DCコントローラ回路基板
930

FIGURE 002 ACCESSORIES
本体付属品

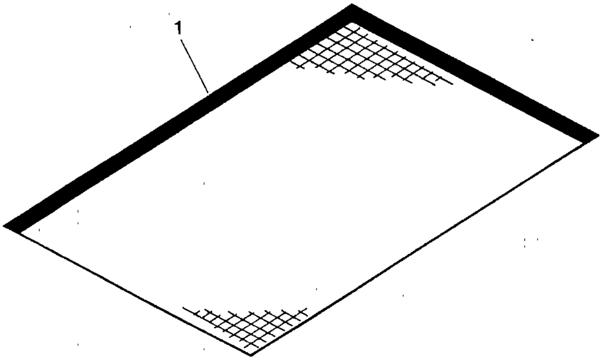


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
002 –	NPN		RF	ACCESSORIES ホンタイ フゾクヒン	
1	FC1 – 6548 – 000		1	FRAMING SCALE トリミング シート	

FIGURE 100 EXTERNAL COVERS, PANELS, ETC.
外装カバー部

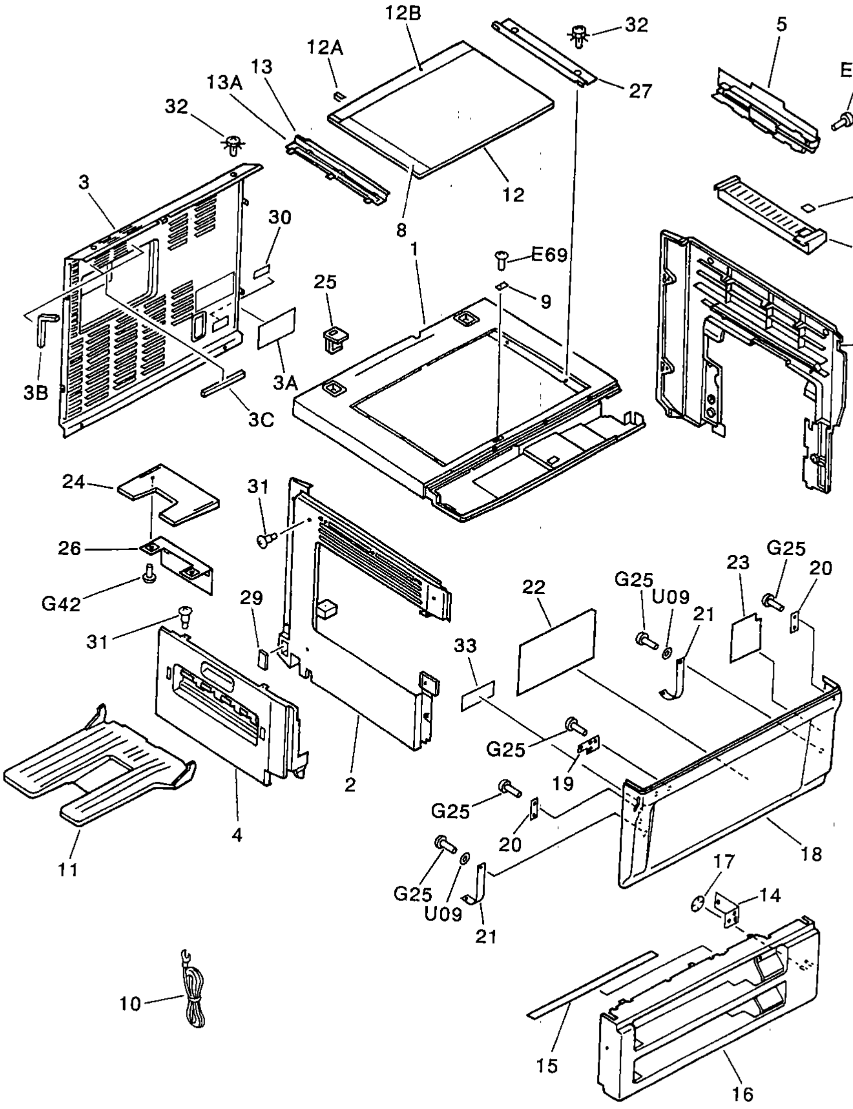

12B
32
5
12A
13
E61
13A
27
32
3
12
28
30
8
1
6
E69
25
9
7
3B
3A
3C
24
31
26
G42
29
31
22
G25
U09
21
23
G25
20
33
G25
19
2
4
11
G25
20
18
G25
U09
21
17
14
10
15
16

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
100 –	NPN		RF	EXTERNAL COVERS, PANELS, ETC. ガイソウ カバーブ	
1	FB1 – 6139 – 000		1	COVER, TOP ウエ カバー	
2	FB1 – 6142 – 000		1	COVER, LEFT ヒダリ カバー	
3	FF5 – 0972 – 000		1	PANEL, REAR ウシロ カバー	
3A	FB1 – 6419 – 000		1	SHEET, INSULATION ゼツエン シート	
3B	FB1 – 6066 – 000		2	SEAL, FAN, 1 ファン シール (1)	
3C	FB1 – 6067 – 000		1	SEAL, FAN, 2 ファン シール (2)	
4	FB1 – 6148 – 000		1	COVER, DELIVERY ハイシ カバー	
5	FB1 – 6149 – 000		1	PANEL, MANUAL FEED テザシ カバー	
6	FB1 – 6150 – 000		1	TRAY, MANUAL FEED テザシ トレイ	
7	FB1 – 6153 – 000		1	PANEL, RIGHT ミギ カバー	
8	FS5 – 8456 – 000		1	PLATE, SIZE INDEX, WIDTH サイズ プレート (タテ)	AB SIZE
	FS5 – 8457 – 000		1	PLATE, SIZE INDEX, WIDTH サイズ プレート (タテ)	INCH/A SIZE
	FS5 – 8458 – 000		1	PLATE, SIZE INDEX, WIDTH サイズ プレート (タテ)	A SIZE
	FS5 – 8459 – 000		1	PLATE, SIZE INDEX, WIDTH サイズ プレート (タテ)	AB/INCH SIZE
9	FA3 – 9315 – 000		1	PLATE, COVER アナ フサギ	
10	FH2 – 5006 – 000		1	WIRE, GROUNDING アース コード	
11	FA6 – 6875 – 000		1	TRAY, COPY ハイシ トレイ	
12	FF5 – 0889 – 000		1	GLASS, COPYBOARD ゲンコウ ダイ ガラス	AB SIZE
	FF5 – 0890 – 000		1	GLASS, COPYBOARD ゲンコウ ダイ ガラス	INCH/A SIZE
	FF5 – 0891 – 000		1	GLASS, COPYBOARD ゲンコウ ダイ ガラス	A SIZE
	FF5 – 0892 – 000		1	GLASS, COPYBOARD ゲンコウ ダイ ガラス	INCH/AB SIZE
12A	FA9 – 1768 – 000		1	SPRING, LEAF イタバネ	
12B	FS8 – 8186 – 000		1	PLATE, SIZE INDEX, LENGTH サイズ プレート (ヨコ)	AB SIZE
	FS8 – 8187 – 000		1	PLATE, SIZE INDEX, LENGTH サイズ プレート (ヨコ)	A/INCH SIZE
	FS8 – 8188 – 000		1	PLATE, SIZE INDEX, LENGTH サイズ プレート (ヨコ)	A SIZE
	FS8 – 8189 – 000		1	PLATE, LENGTH INDEX サイズ プレート (ヨコ)	AB/INCH SIZE
13	FF5 – 1035 – 000		1	RETAINER, COPYBOARD GLASS,LEFT DF ヨウ ヒダリ ガラス オサエ	115/220/240V
	FF5 – 1037 – 020		1	PLATE, GLASS RETAINER, LEFT ヒダリ ガラス オサエ	100V
13A	FA5 – 3210 – 000		1	SHEET シート	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
100 – 14	FA5 – 3261 – 000		1	PLATE, PANEL マエ シタ カバー カナグ	
15	FA5 – 3263 – 000		1	SEAL シール	
16	FB1 – 6141 – 000		1	PANEL, FRONT LOWER マエ シタ カバー	
17	XD9 – 0078 – 000		3	RING, SE SE リング	
18	FB1 – 6140 – 000		1	PANEL, FRONT マエ カバー	
19	FB1 – 6029 – 000		1	ACTUATOR アクチユエータ	
20	FB1 – 6053 – 000		2	PLATE, CATCH キャッチ バン	
21	FB1 – 6055 – 000		2	TAPE, DOOR ササエ テープ	
22	FS8 – 8668 – 000		1	LABEL, JAM CLEAR'G/TONER INST. ジャム シヨリ / トナー ホキユウ ラベル	
23	FS5 – 8466 – 000		1	LABEL, JAM CLEARING, 3 ジャム シヨリ ラベル (3)	
24	FA5 – 8684 – 000		1	TABLE, DOCUMENT ゲンコウ オキ ダイ	
25	FA6 – 4375 – 000		2	BUSHING ブッシュ	
26	FB1 – 6387 – 000		1	SUPPORT, DOCUMENT TRAY ゲンコウ オキダイ シバン	
27	FA6 – 8837 – 020		1	RETAINER, COPYBOARD GLASS ミギ ガラス オサエ	
28	FS8 – 8190 – 000		1	LABEL テザシ マーク ラベル	
29	FH2 – 5824 – 000		1	COVER, CONNECTOR, 1 コネクタ カバー (1)	
30	FC1 – 5125 – 000		1	RATING, PLATE, 100V テイカク メイハン	100V
	FC1 – 5127 – 000		1	RATING PLATE, 220/240V テイカク メイハン	220/240V
31	FS1 – 9003 – 000		3	SCREW, STEPPED, M4 ダンビス	
32	FA9 – 2105 – 000		6	SCREW, W/TOOTHED WASHER キクザ ツキ バインド ネジ	
33	FS8 – 8667 – 000		1	LABEL ラベル	

FIGURE 101 MACHINE FRONT PLATE
本体前側板

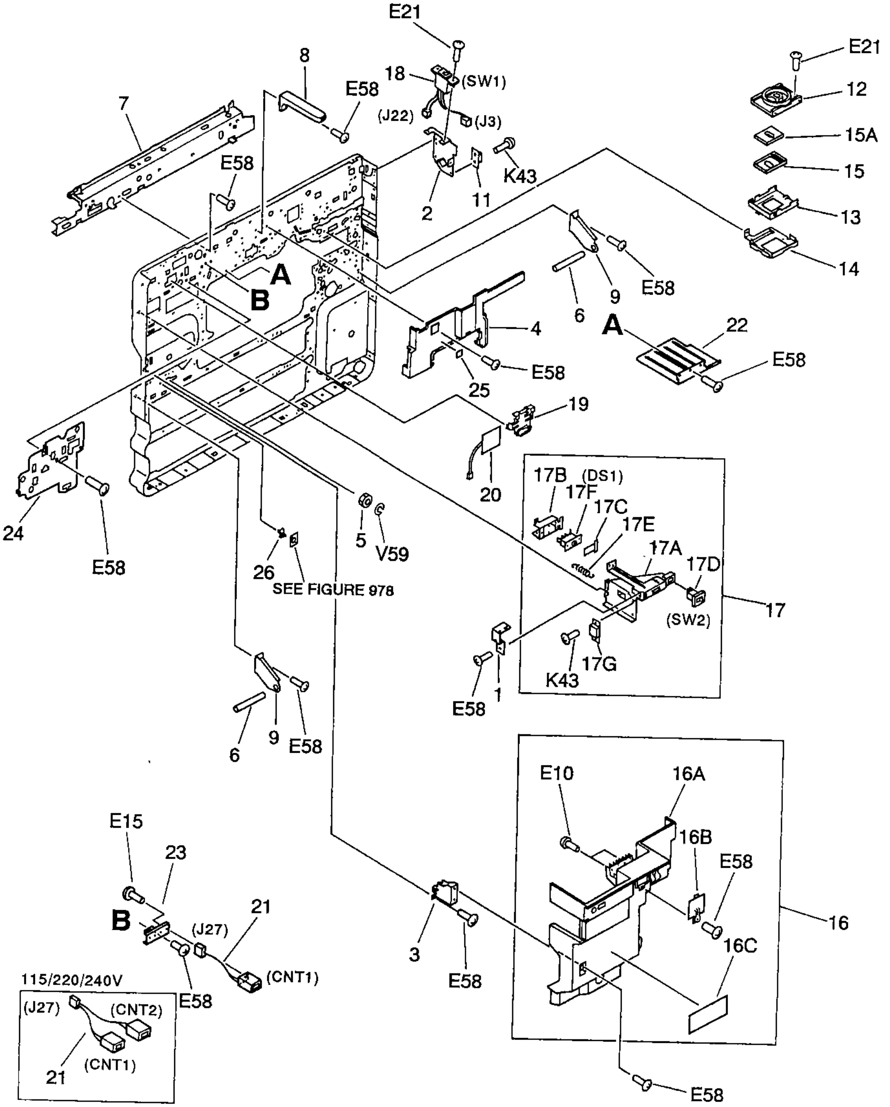

E21
8
18
(SW1)
E58
7
(J22)
(J3)
E21
12
15A
15
13
14
K43
E58
2
11
A
B
9
E58
6
4
A
22
E58
E58
25
19
20
17B
(DS1)
17F
17C
17E
17A
17D
(SW2)
17
24
E58
5
V59
26
SEE FIGURE 978
K43
17G
E58
1
6
9
E58
E10
16A
16B
E58
16
16C
E15
23
B
21
(J27)
(CNT1)
3
E58
115/220/240V
(J27)
(CNT2)
E58
21
(CNT1)
E58

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
101 –	NPN		RF	MACHINE FRONT PLATE ホンタイ マエ ソクバン	
1	FB1 – 6088 – 000		1	SUPPORT, CONTROL PANEL ソウサブ コテイ バン	
2	FB1 – 6118 – 000		1	MOUNT, MAIN SWITCH メイン スイツチ ダイ	
3	FB1 – 6129 – 000		1	SUPPORT, FRONT PANEL マエ カバー ササエ イタ	
4	FB1 – 6147 – 000		1	COVER, INTERNAL, HOPPER ウチ カバー（ホツパ ウラ）	
5	FS5 – 0302 – 000		1	GEAR, 25T 25T ギア	
6	FA2 – 8590 – 000		2	PIN HINGE, FRONT PANEL ピン	
7	FB1 – 6406 – 000	N	1	CROSSMEMBER, FRONT マエ レール	
8	FA5 – 3110 – 000		1	MOUNT, CONTROL PANEL ソウサブ ダイ	
9	FA5 – 3125 – 000		2	HINGE, FRONT DOOR マエ ドア ヒンジ	
11	XZ9 – 0252 – 000		1	CATCH, MAGNET マグネツト キヤツチ	
12	FB1 – 5818 – 000		1	JOINT, HOPPER, 1 ホツパ ジヨイント (1)	
13	FB1 – 5819 – 000		1	JOINT, HOPPER, 2 ホツパ ジヨイント (2)	
14	FB1 – 5822 – 000		1	MOUNT, HOPPER JOINT ホツパ ジヨイント ダイ	
15	FF5 – 0922 – 000		1	PLATE, JOINT ジヨイント プレート	
15A	FB1 – 5821 – 000		1	SEAL シール	
16	FG5 – 1239 – 000		1	COUNTER COVER ASSEMBLY カウンタ カバー ブ	
16A	FB1 – 6146 – 000		1	COVER, INTERNAL, LEFT ウチ カバー（ヒダリ）	
16B	FB1 – 6173 – 000		1	WINDOW マド	
16C	FS8 – 8670 – 000		1	LABEL, JAM CLEARING, 2 ジヤム ショリ ラベル (2)	
17	FG5 – 1224 – 000		1	DOOR SWITCH ASSEMBLY ドア スイツチ ブ	100V
	FG5 – 1343 – 000		1	DOOR SWITCH ASSEMBLY ドア スイツチ ブ	115/220/240V
17A	FB1 – 5994 – 000		1	MOUNT, DOOR SWITCH ドア スイツチ ダイ	
17B	FB1 – 5995 – 000		1	HOLDER, DOOR SWITCH ドア スイツチ ホルダ	
17C	FB1 – 5996 – 000		1	PLATE ドア スイツチ バン	
17D	FH7 – 6152 – 000		1	SWITCH, ROCKER シーソ スイツチ	100V
17E	FS5 – 2261 – 000		1	SPRING, TENSION ヒツパリ バネ	
17F	WC2 – 5078 – 000		1	SWITCH, PUSHBUTTON プツシユ スイツチ	
17G	XZ9 – 0251 – 000		1	CATCH, MAGNET マグネツト キヤツチ	
18	FF2 – 5895 – 000		1	MAIN SWITCH ASSEMBLY メイン スイツチ ユニツト	100V

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
101 – 18	FH7 – 6162 – 000		1	MAIN SWITCH メイン スイッチ	115/220/240V
19	FA5 – 3285 – 000		1	HOLDER, POWER SUPPLY PCB キバン ホルダ	
20	FH3 – 2222 – 000		1	POWER SUPPLY PCB ASSEMBLY デンゲン キバン	
21	FF2 – 7094 – 000		1	COUNTER カウンタ	100V
	FF2 – 7095 – 000		1	COUNTER カウンタ	115/220/240V
22	FB1 – 6403 – 000		1	COVER, LASER レーザ カバー	
23	FB1 – 6174 – 000		1	MOUNT, COUNTOR カウンタ ダイ	
24	FB1 – 6176 – 000		1	PLATE, BLANKING メカクシ バン	
25	FS2 – 8614 – 000		1	LABEL, "WARNING,HIGH VOLTAGE" コウアツ チュウイ メイハン	220/240V
	FS8 – 8194 – 000		1	LABEL, WARNING コネクタ チュウイ ラベル	115V
26	VT2 – 0001 – 004		2	SUPPORT, PCB ロッキング サポート	

FIGURE 102 INTERNAL COMPONENTS 1
本体機械内部（1）

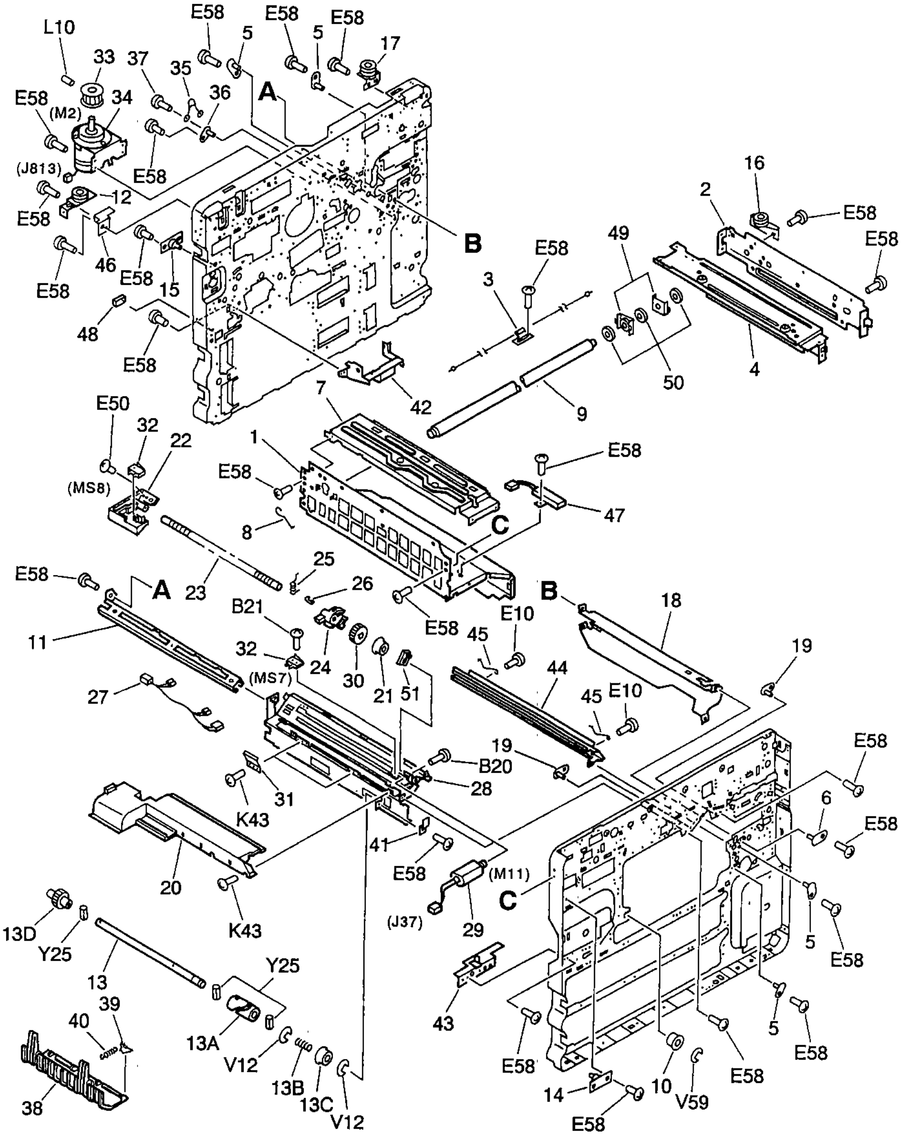

L10
E58
5
E58
5
E58
17
33
37
35
36
A
E58
(M2)
34
(J813)
E58
E58
12
E58
46
E58
15
B
E58
48
E58
16
2
E58
E58
49
E58
3
50
4
7
42
9
E50
32
22
(MS8)
1
E58
8
E58
47
C
E58
25
A
23
26
B21
24
30
21
51
B
E10
18
19
E58
11
32
(MS7)
27
45
44
45
E10
19
B20
28
31
K43
E58
E58
6
E58
41
E58
(M11)
C
20
K43
(J37)
29
5
E58
13D
Y25
13
Y25
39
40
13A
V12
13B
13C
V12
38
43
E58
5
E58
10
V59
E58
14
E58

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
102 –	NPN		RF	INTERNAL COMPONENTS 1 ホンタイ キカイ ナイブ (1)	
1	FB1 – 6082 – 000	N	1	PLATE, LEFT ヒダリ ステー	
2	FB1 – 6083 – 000	N	1	PLATE, RIGHT ミギ ステー	
3	FB1 – 6086 – 000		1	WIRE, SCANNER コウガク ワイヤ	
4	FB1 – 6114 – 000	N	1	PLATE, RIGHT UPPER ミギ ウエ ステー	
5	FA1 – 9546 – 000		4	PIN イチギメ ダボ	
6	FA4 – 1149 – 000		1	PLATE, PIN ゼツエン ピン	
7	FB1 – 6391 – 000	N	1	CROSSMEMBER, LEFT, UPPER ヒダリ ウエ ステイ	
8	FA5 – 3114 – 000		1	PIN, RAIL レール ドメ	
9	FA5 – 3147 – 000	N	1	RAIL, SCANNER コウガク レール	
10	FS1 – 1462 – 000		1	BUSHING ブッシング	
11	FH7 – 3232 – 000		1	LAMP, PRE – COND. EXPOSURE マエ ロコウ ランプ	
12	FF5 – 1006 – 000		1	PULLEY MOUNTING プーリ ダイ	
13	FF5 – 1014 – 000		1	SHAFT, SEPARATION CLAW ブンリ ツメ ジク	
13A	FA5 – 2542 – 000		2	CAM カム	
13B	FS3 – 2071 – 000		1	SPRING, COMPRESSION アツシユク バネ	
13C	FS2 – 1357 – 000		1	BUSHING ブツシング	
13D	FS5 – 0299 – 000		1	GEAR, 38T 38T ギア	
14	FF5 – 1017 – 000		1	PIN, FRONT ハイシ トメ イタ (マエ)	
15	FF5 – 1018 – 000		1	PIN, REAR ハイシ トメ イタ (ウシロ)	
16	FF5 – 1019 – 000		1	PULLEY MOUNTING, RIGHT プーリ ダイ (ミギ)	
17	FF5 – 1025 – 000		1	PULLEY MOUNTING プーリ ダイ (キユウシ)	
18	FF2 – 0198 – 000		1	PLATE, GUIDE ガイド	
19	FF2 – 0204 – 000		2	PIN, POSITIONING イチ ギメ ピン	
20	FB1 – 5757 – 000		1	DUCT, AIR クリーナ ダクト	
21	FB1 – 5758 – 000		1	BUSHING ブッシング	
22	FB1 – 5759 – 000		1	PLATE, SHAFT HOLDING スクリユ ジクウケ	
23	FB1 – 6018 – 000		1	FEEDSCREW, CLEANER クドウ スクリユ	
24	FB1 – 6019 – 000		1	BLOCK 1 ジ ブロック	
25	FB1 – 6015 – 000		1	PLATE, CAM カム プレート	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
102 – 26	FB1 – 6016 – 000		1	SPRING, TORSION ネジリ バネ	
27	FF2 – 4536 – 000		1	CABLE, CORONA ASS'Y CLEANING 1ジ セイソウ ケーブル	
28	FF5 – 0976 – 030	N	1	CROSSMEMBER, DRUM, UPPER ドラム ウエ ステー	
29	FH7 – 1727 – 000		1	MOTOR, DC24V モータ	
30	FS3 – 0812 – 000		1	GEAR, 18T 18T ギア	
31	FA5 – 3132 – 000		2	SPRING, LEAF イタ バネ	
32	WC4 – 0084 – 000		2	MICROSWITCH マイクロ スイッチ	
33	FA5 – 3113 – 000		1	PULLEY プーリ	
34	FH7 – 1760 – 000		1	MOTOR, DC20V モータ	
35	FF2 – 6369 – 000		1	VARISTOR バリスタ	
36	FA2 – 6923 – 000		1	PIN イチギメ ダボ	
37	XA9 – 0194 – 000		1	SCREW, W/TOOTHED WASHER, M3X6 キクザツキ バインドネジ	
38	FF2 – 0124 – 020		1	HOLDER, SEPARATION CLAW ブンリツメ ホルダ	
39	FA3 – 8577 – 030		4	CLAW, SEPARATION ブンリ ツメ	
40	FS2 – 2304 – 000		4	SPRING, TENSION ヒツパリ バネ	
41	FB1 – 6052 – 000		1	PLATE, STOPPER ブンリツメ ジク ストッパ	
42	FB1 – 6096 – 000		1	SUPPORT, FIXING UNIT, REAR テイチャク シダイ (ウシロ)	
43	FB1 – 6097 – 000		1	SUPPORT, FIXING UNIT, FRONT テイチャク シダイ (マエ)	
44	FA5 – 2552 – 000		1	RAIL, PRE – TRANS. CORONA ASS'Y タイデンキ マエ レール	
45	FA3 – 9115 – 000		2	SPRING, CORONA ポスト タイデンキ バネ	
46	FB1 – 6090 – 000		1	PLATE, PULLEY ADJUST, B プーリ チヨウセイ バン (B)	
47	FH7 – 4300 – 000		1	HEATER, AC100V ヒータ	100V
48	WT2 – 5098 – 000		1	BUSHING ブッシング	
49	FA5 – 3244 – 000		2	MOUNT, RING FELT, PL パッド ダイ	
50	FA3 – 8493 – 000		3	RING, FELT オイルパッド	
51	FB1 – 5760 – 000		1	HOLDER, BUSHING ジクウケ ホルダ	

FIGURE 103 INTERNAL COMPONENTS 2
本体機械内部（2）

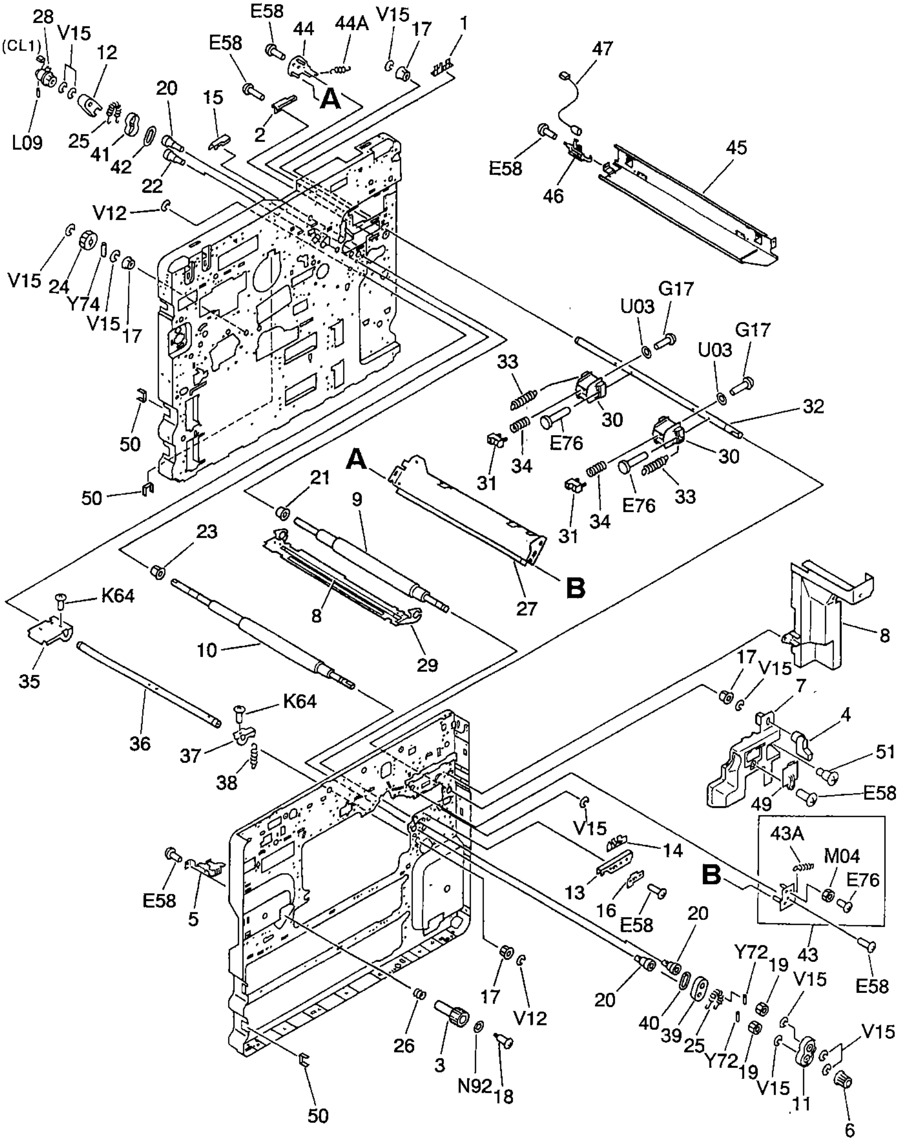

28
(CL1)
V15
12
L09
25
41
42
20
22
15
E58
E58
44
44A
A
V15
17
1
2
47
E58
46
45
V12
V15
24
Y74
V15
17
U03
G17
U03
G17
33
30
32
34
E76
31
30
34
E76
33
31
50
50
A
21
9
B
27
23
8
29
K64
35
10
36
K64
37
38
8
17
V15
7
4
51
E58
49
V15
14
13
16
E58
43A
M04
B
E76
43
E58
E58
5
20
Y72
19
V15
20
17
V12
40
39
25
Y72
19
V15
V15
11
6
26
3
N92
18
50

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
103 –	NPN		RF	INTERNAL COMPONENTS 2 ホンタイ キカイ ナイブ (2)	
1	FB1 – 6092 – 020		1	SLIDE GUIDE, RAIL, REAR, UPPER レールスライドガイド(ウシロ ウエ)	
2	FB1 – 6093 – 000		1	SLIDE GUIDE, RAIL, REAR, LOWER レールスライドガイド(ウシロ シタ)	
3	FB1 – 6094 – 000		1	KNOB, FIXING ROLLER テイチヤク トツテ	
4	FB1 – 6095 – 000		1	LEVER カアツ レバー	
5	FB1 – 6121 – 000		1	SUPPORT, DELIVERY UNIT ハイシ ササエ イタ	
6	FB1 – 6138 – 000		1	KNOB ツマミ	
7	FB1 – 6144 – 000		1	COVER, LOWER, RIGHT ウチ カバー (ミギ シタ)	
8	FB1 – 6145 – 000		1	COVER, UPPER, RIGHT ウチ カバー (ミギ ウエ)	
9	FA5 – 3119 – 000		1	ROLLER, REGISTRATION, UPPER ウエ レジスト ローラ	
10	FA5 – 3120 – 000		1	ROLLER, REGISTRATION, LOWER シタ レジスト ローラ	
11	FA5 – 3121 – 000		1	PLATE, REGISTRATION ROLLER レンケツ バン	
12	FA5 – 3140 – 000		1	MOUNT, REGISTRATION ROLLER ヨコ レジスト ラツク	
13	FB1 – 6180 – 000		1	GUIDE, RAIL SLIDE 1 レール スライド ガイド 1	
14	FB1 – 6181 – 000		1	GUIDE, RAIL SLIDE 2 レール スライド ガイド 2	
15	FA5 – 3205 – 000		1	GUIDE, RAIL SLIDE 3 レール スライド ガイド 3	
16	FA9 – 1913 – 000		1	PLATE, STOPPER ゲンゾウ レール ストツパ	
17	FS1 – 1202 – 000		4	BUSHING ブツシング	
18	FS1 – 9102 – 000		1	SCREW, STEPPED, M3 ダンビス	
19	FS2 – 0448 – 000		2	GEAR, 32T 32T ギア	
20	FS2 – 1001 – 000		3	BUSHING ジク ウケ	
21	FS2 – 1002 – 000		1	BUSHING ジク ウケ	
22	FS2 – 1015 – 000		1	BUSHING ブツシユ	
23	FS2 – 6022 – 000		1	BUSHING ブツシング	
24	FS3 – 0074 – 000		1	GEAR, 25T 25T ギア	
25	FS3 – 2018 – 000		2	SPRING, TENSION ヒツパリ バネ	
26	FS3 – 2036 – 000		1	SPRING, COMPRESSION アツシユク バネ	
27	FH7 – 3229 – 000		1	LED ARRAY, PD3135C1A LED アレイ	
28	FH7 – 5252 – 000		1	CLUTCH, ELECTROMAGNETIC デンジ クラツチ	
29	FF2 – 0207 – 050		1	PLATE, PAPER GUIDE, UPPER テンシャ ガイド (ウエ)	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
103 – 30	FB1 – 6167 – 000		2	HOLDER, CAM カム ホルダ	
31	FB1 – 6170 – 000		2	CAM カアツ カム	
32	FB1 – 6171 – 000		1	SHAFT カアツ ジク	
33	FS3 – 2075 – 000		2	SPRING, TENSION ゲンゾウ モドシ バネ (マエ)	
34	FS5 – 2260 – 000		4	SPRING, COMPRESSION アツシユク バネ	
35	FA5 – 2646 – 000		1	PLATE, ARM アーム	
36	FB1 – 6060 – 000		1	SHAFT アーム ジク	
37	FA5 – 2648 – 000		1	ARM バネ アーム	
38	FS3 – 2030 – 000		1	SPRING, TENSION ヒツパリ バネ	
39	FA5 – 3213 – 000		1	CASE, OIL, FRONT オイル ケース (マエ)	
40	FA5 – 3215 – 000		1	PAD, OIL オイル パツド	
41	FA5 – 3214 – 020		1	CASE, OIL, REAR オイル ケース (ウシロ)	
42	FA5 – 3216 – 000		1	PAD, OIL オイル パツド	
43	FG9 – 2764 – 000		1	HOLDER, BLANK EXP. LAMP, FRONT ブランク マエ シバン	
43A	FS3 – 2037 – 000		1	SPRING, COMPRESSION アツシユク バネ	
44	FG9 – 2765 – 000		1	HOLDER, BLANK EXP. LAMP, REAR ブランク ウシロ シバン	
44A	FS3 – 2073 – 000		1	SPRING, TENSION ヒツパリ バネ	
45	FB1 – 6033 – 000		1	RAIL, DEVELOPING ASS'Y ゲンゾウキ レール	
46	FB1 – 6034 – 000		1	TERMINAL, BIAS バイアス コネクタ	
47	FF2 – 5892 – 000		1	CABLE, BIAS, B. DEV. UNIT クロ ゲン バイアス ソクセン	
49	FB1 – 6173 – 000		1	WINDOW マド	
50	WT2 – 5086 – 000		6	HOLDER, EDGE エッジ ホルダ	
51	FS1 – 9255 – 000		1	SCREW, STEPPED, M4 ダンビス	

FIGURE 104 INTERNAL COMPONENTS 3
本体機械内部（3）

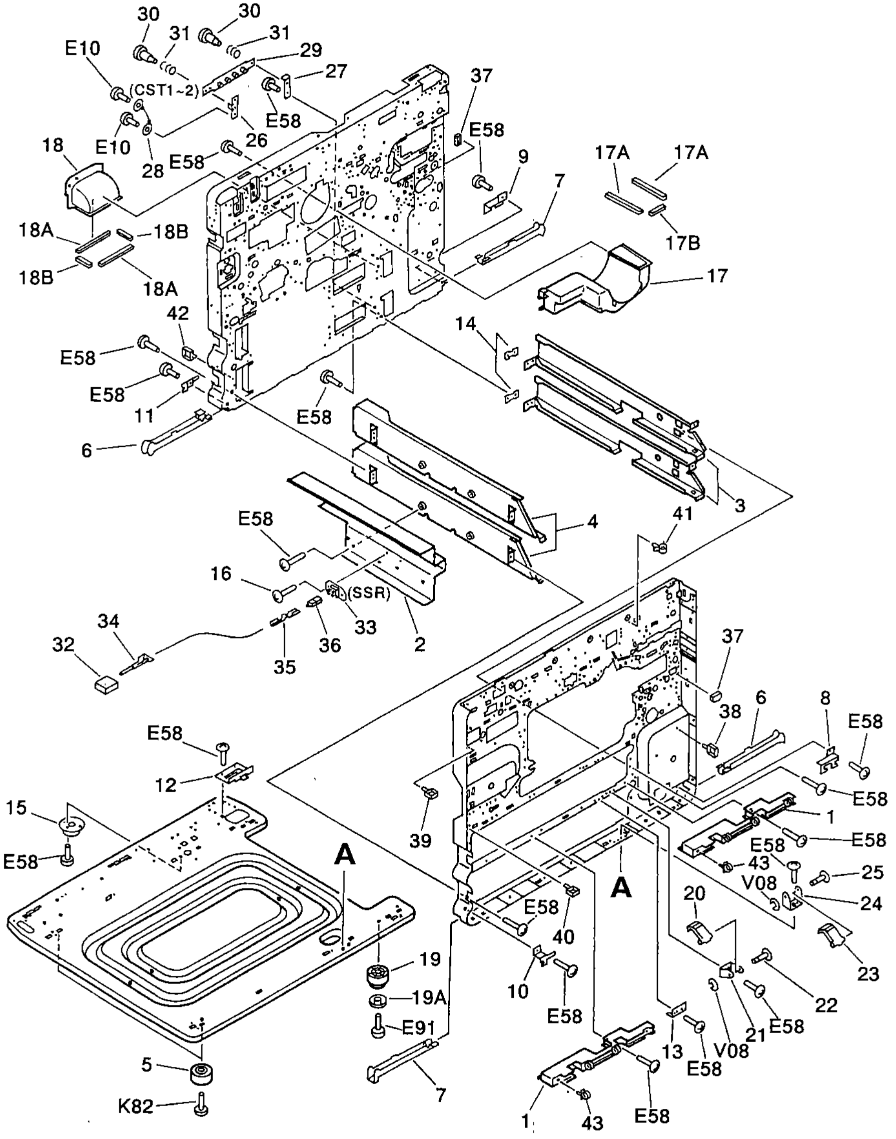
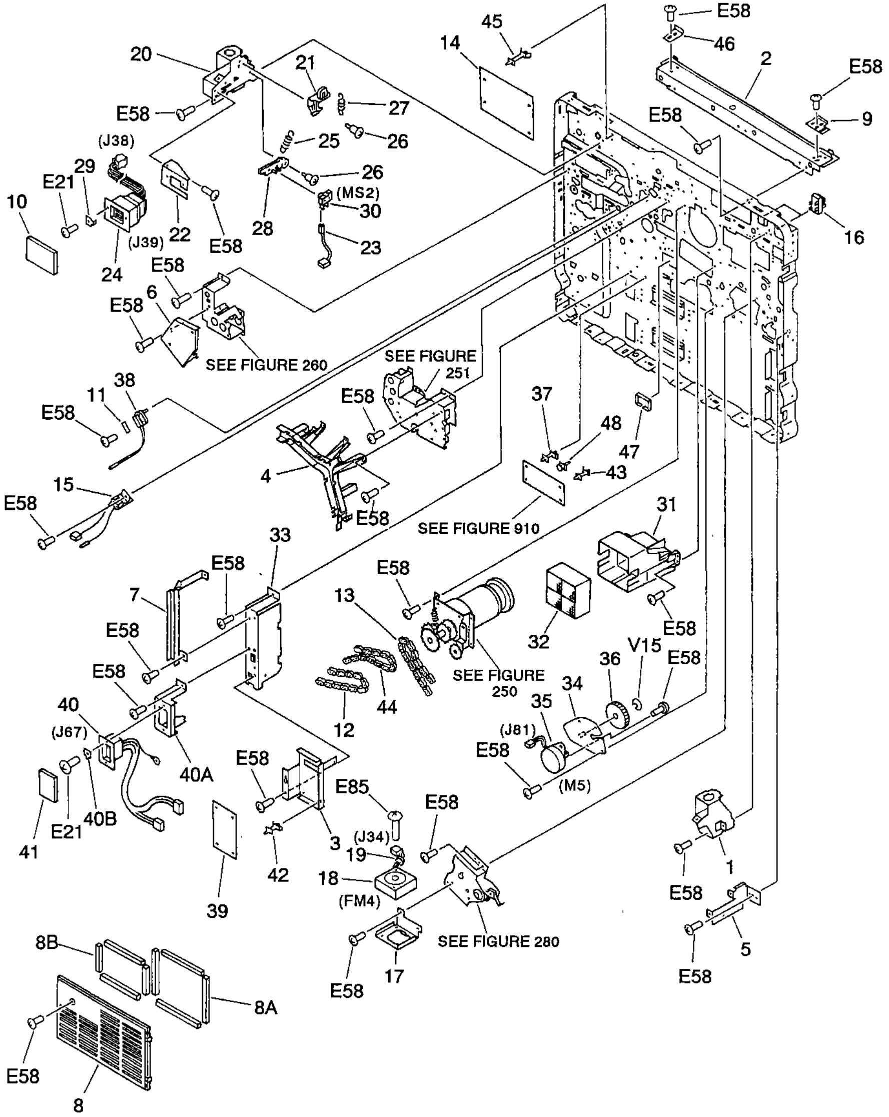

30
30
31
31
E10
29
27
(CST1~2)
37
E58
E10
26
E58
18
28
E58
9
17A
17A
7
18A
18B
17B
18B
18A
17
42
14
E58
E58
11
E58
6
3
4
E58
41
16
(SSR)
33
34
36
2
32
35
37
6
8
E58
38
E58
12
E58
15
1
E58
E58
A
39
43
25
V08
A
20
24
E58
40
19
23
19A
10
22
E91
E58
21
E58
13
V08
5
E58
7
K82
1
43
E58

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
104 –	NPN		RF	INTERNAL COMPONENTS 3 ホンタイ キカイ ナイブ (3)	
1	FB1 – 6099 – 000		2	GUIDE, CORD コード ガイド	
2	FB1 – 6100 – 000		1	PLATE, RELAY MOUNTING リレー トリツケ バン	
3	FB1 – 6135 – 000	N	2	GUIDE, CASSETTE, RIGHT カセツト ステー (ミギ)	
4	FB1 – 6136 – 000	N	2	GUIDE, CASSETTE, LEFT カセツト ステー (ヒダリ)	
5	FA3 – 1589 – 000		2	FOOT, RUBBER ゴム アシ	
6	FA5 – 3148 – 020		2	HANDLE A トツテ A	
7	FA5 – 3149 – 020		2	HANDLE B トツテ B	
8	FA5 – 3150 – 020		1	PLATE, STOPPER, HANDLE A トッテ オサエ A	
9	FA5 – 3151 – 020		1	PLATE, STOPPER, HANDLE B トッテ オサエ B	
10	FA5 – 3152 – 000		1	PLATE, STOPPER, HANDLE C トツテ オサエ C	
11	FA5 – 3153 – 000		1	PLATE, STOPPER, HANDLE D トツテ オサエ D	
12	FA5 – 3161 – 000		1	PLATE, BLANKING, PAPER DECK ペーパ デツキ メカクシ バン	
13	FA5 – 3184 – 000		2	PLATE, CASSETTE POSITIONING カセツト イチ ギメ バン	
14	FA5 – 3190 – 000		2	SPACER スペーサ	
15	FA5 – 3236 – 000		1	GUIDE, PIN ピン ガイド	
16	XA9 – 0235 – 000		2	SCREW, W/WASHER, M3X8 バネツキ ネジ	
17	FF5 – 1009 – 000		1	DUCT, PRI. CORONA UNIT 1 ジ レンケツ ダクト	
17A	FB1 – 6102 – 000		2	SEAL, 1 シール (1)	
17B	FB1 – 6103 – 000		1	SEAL, 2 シール (2)	
18	FF5 – 1010 – 000		1	DUCT, FEEDER UNIT ハンソウ チユウカン ダクト	
18A	FB1 – 6105 – 000		2	SEAL, 1 シール (1)	
18B	FB1 – 6127 – 000		2	SEAL, 2 シール (2)	
19	FF9 – 0983 – 000		1	FOOT, RUBBER ゴム アシ	
19A	FA9 – 1790 – 000		1	RUBBER ラバー	
20	FA5 – 3181 – 000		1	ARM, GUIDE RELEASE ガイド カイジヨ アーム	
21	FA5 – 3182 – 000		1	MOUNT, ARM, UPPER アーム ダイ (ウエ)	
22	FA3 – 8719 – 000		1	ROD サイド キセイ ジク	
23	FA5 – 3181 – 000		1	ARM, GUIDE RELEASE ガイド カイジヨ アーム	
24	FA5 – 3183 – 000		1	MOUNT, ARM, LOWER アーム ダイ (シタ)	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
104 – 25	FA3 – 8719 – 000		1	ROD サイド キセイ ジク	
26	FA9 – 1978 – 000		1	MOUNT, PAPER SIZE SENSING, 2 サイズ ケンチ キダイ (2)	
27	FA9 – 1979 – 000		1	MOUNT, PAPER SIZE SENSING, 1 サイズ ケンチ キダイ (1)	
28	FF9 – 1091 – 020		1	WIRE, GROUNDING アース コード	
29	FH7 – 6113 – 000		1	PUSH SWITCH ASSEMBLY カセット サイズ ケンチ スイッチ	
30	FS2 – 9002 – 000		2	SCREW, STEPPED, M4 ダン ビス	
31	FS3 – 2044 – 000		2	SPRING, COMPRESSION アッシュク バネ	
32	VS4 – 0003 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
33	WB4 – 5006 – 000		1	SSR,SF15DXZ – HI – 0 SSR	
34	WS3 – 0885 – 000		2	PIN CONTACT, 20 – 30AWG ピン コンタクト	
35	WT1 – 0040 – 000		2	SOCKET, FASTON 187, 20 – 24AWG ファストン	
36	WT1 – 0435 – 000		2	SLEEVE ワンタッチ スリーブ	
37	WT2 – 5062 – 000		2	BUSHING, SQUARE スクエア ブッシュ	
38	WT2 – 0317 – 000		9	CLIP, CABLE ロッキング ワイヤ サドル	
39	WT2 – 0499 – 000		1	CLIP, CABLE ロッキング ワイヤ サドル	
40	WT2 – 0248 – 000		13	CLIP, CABLE ケーブル クリップ	
41	WT2 – 5048 – 000		8	CLAMP, CORD コード クランプ	
42	WT2 – 0481 – 000		2	CLIP, CABLE ケーブル クリップ	
43	WT2 – 5041 – 000		9	TIE, CABLE ソクセン バンド	

FIGURE 105 MACHINE REAR PLATE
本体後側板



45
E58
46
14
2
E58
20
21
27
E58
9
E58
E58
(J38)
25
26
29
E21
26
(MS2)
10
30
16
28
23
22
(J39)
E58
24
E58
6
E58
SEE FIGURE 260
SEE FIGURE 251
38
11
37
E58
E58
48
47
4
43
15
E58
E58
31
SEE FIGURE 910
33
E58
E58
7
13
E58
32
E58
V15
E58
36
SEE FIGURE 250
34
E58
44
12
35
40
(J67)
(J81)
40A
E58
E58
(M5)
E85
E58
40B
E21
(J34)
41
3
19
1
42
18
E58
(FM4)
39
5
8B
SEE FIGURE 280
E58
17
E58
E58
8A
E58
8

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
105 –	NPN		RF	MACHINE REAR PLATE ホンタイ ウシロ ソクバン	
1	FB1 – 6085 – 000		1	MOUNT, DF, 1 DF ダイ (1)	
2	FB1 – 6399 – 000		1	CROSSMEMBER, UPPER, REAR ガラス オサエ (ウシロ)	
3	FB1 – 6091 – 000		1	MOUNT, PCB キバン ダイ	
4	FB1 – 6098 – 000		1	GUIDE, CABLE ケーブル ガイド	
5	FF5 – 1005 – 000		1	PLATE, APC APC シバン	
6	FB1 – 6117 – 000		1	COVER, CHAIN チエーン カバー	
7	FB1 – 6124 – 000		1	GUIDE, CABLE ケーブル ガイド	
8	FF5 – 1030 – 000		1	COVER, FILTER フイルタ カバー	
8A	FB1 – 6070 – 000		4	SEAL 1 フイルタ カバー シール 1	
8B	FB1 – 6156 – 000		4	SEAL 2 フイルタ カバー シール 2	
9	FB1 – 6400 – 000		1	PLATE, GLASS POSITONING, REAR ウシロ ガラス ドメ	
10	FH2 – 5824 – 000		1	COVER, CONNECTOR, 1 コネクタ カバー (1)	
11	FS3 – 8377 – 000		1	LABEL, "WARNING, HIGH VOLTAGE" コウアツ チユウイ メイハン	
12	XF9 – 0368 – 000		1	CHAIN, 204T チエーン	
13	XF1 – 1107 – 001		1	CHAIN,ROLLER ローラ チェーン	
14	FH6 – 3199 – 000		1	MOTOR CONTROLLER PCB モータ コントローラ キバン	
15	FH2 – 9091 – 000		1	CABLE UNIT, HV, PRIMARY/GRID コウアツ コネクタ	
16	FH7 – 7062 – 000		2	PHOTO – INTERRUPTER フオト インタラプタ	
17	FB1 – 5892 – 000		1	MOUNT, FAN フアン シジバン	
18	FH7 – 1777 – 000		1	FAN, DC24V フアン モータ	
19	WT2 – 0435 – 000		1	CLAMP, CORD コード クランプ	
20	FB1 – 5991 – 000		1	MOUNT, DF 2 DF ダイ (2)	
21	FB1 – 6008 – 000		1	LEVER, SENSING ケンチ レバー	
22	FB1 – 6110 – 000		1	MOUNT, DF CONNECTOR DF コネクタ ダイ	
23	FF2 – 5896 – 000		1	CABLE ソクセン	
24	FF2 – 6370 – 000		1	CONNECTOR, DF DF コネクタ	
25	FS1 – 2709 – 000		1	SPRING, TENSION ヒツパリ バネ	
26	FS1 – 9004 – 000		3	SCREW, STEPPED, M4 ダンビス	
27	FS2 – 2351 – 000		1	SPRING, TENSION ヒツパリ バネ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
105 – 28	FA3 – 9109 – 000		1	MOUNT, MICROSWITCH ホルダ	
29	FA7 – 0242 – 000		1	PLATE, GROUNDING アース バン	
30	WC4 – 0138 – 000		1	MICROSWITCH マイクロ スイツチ	
31	FB1 – 6043 – 000		1	DUCT, FILTER フイルタ ダクト	
32	FB1 – 6044 – 000		1	FILTER, OZONE オゾン フイルタ	
33	FB1 – 6172 – 000		1	MOUNT, HVT HVT トリツケ バン	
34	FF5 – 1028 – 000		1	MOUNT, MOTOR モータ シジバン	
35	FH7 – 1775 – 000		1	MOTOR, DC24V ステツピング モータ	
36	FS2 – 0578 – 000		1	GEAR, 49T 49T ギア	
37	VT2 – 0001 – 008		2	SUPPORT, PCB ロツキング サポート	
38	FF2 – 4558 – 000		1	P CONNECTOR P コネクタ	
39	FH3 – 7119 – 020		1	LAMP REGULATOR ランプ レギュレータ	100/115V
	FH3 – 7120 – 020		1	LAMP REGULATOR ランプ レギュレータ	220/240V
40	FF2 – 5884 – 000		1	CABLE, DECK/MULTI マルチ/デツキ ソクセン	
40A	FB1 – 6111 – 000		1	MOUNT, CONNECTOR, DECK デツキ コネクタ ダイ	
40B	FA7 – 0242 – 000		1	PLATE, GROUNDING アース バン	
41	FH2 – 5831 – 000		1	COVER, CONNECTOR 2 コネクタ カバー (2)	
42	VT2 – 0001 – 004		6	SUPPORT, PCB ロツキング サポート	
43	VT2 – 0001 – 010		2	SUPPORT, PCB ロツキング サポート	
44	XF9 – 0385 – 000		1	CHAIN, ROLLER, 114T ローラ チエーン	
45	VT2 – 0001 – 012		4	SUPPORT, PCB ロツキング サポート	
46	FA5 – 3187 – 020		1	PLATE, GLASS POSITONING, REAR ウシロ ガラス ドメ	
47	WT2 – 5061 – 000		1	SUPPORT, CABLE スクエア ブツシユ	
48	VT2 – 0002 – 010		2	SPACER, PCB PCB スペーサ	

FIGURE 110 POWER CORD TERMINAL ASSEMBLY (100V)
電源コード台部（100V）

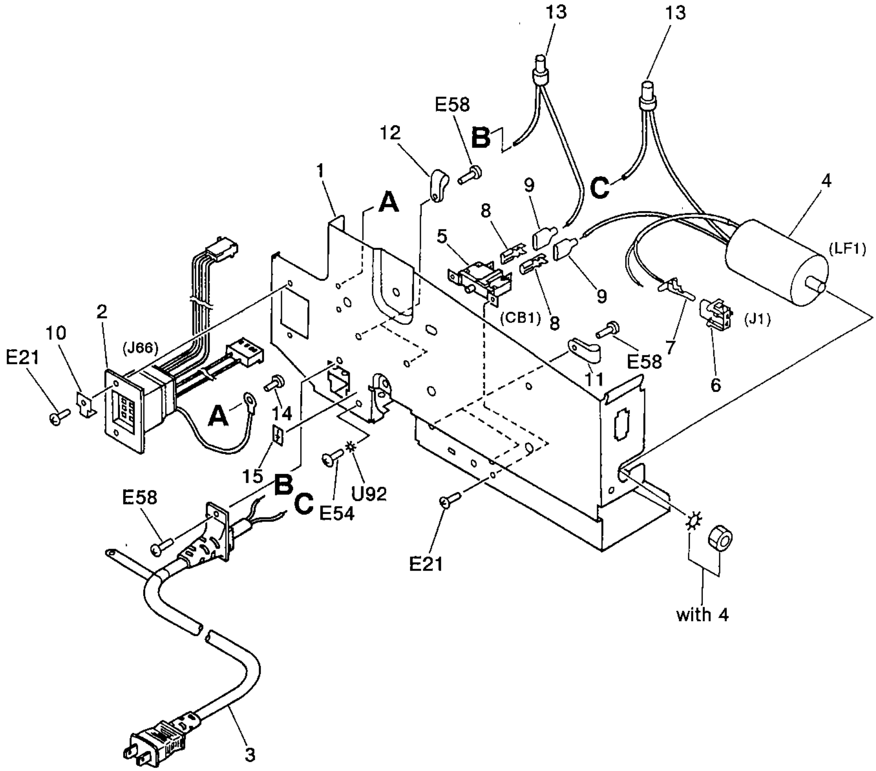

13
13
E58
12
B
1
A
9
C
4
8
5
(LF1)
9
2
(CB1)
8
(J1)
10
(J66)
7
E21
E58
11
6
A
14
15
B
C
E54
U92
E58
E21
with 4
3

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
110 –	NPN		RF	POWER CORD TERMINAL ASSEMBLY デンゲン コード ダイ ブ	100V
1	FB1 – 5946 – 000		1	MOUNT, CORD コード ダイ	
2	FF2 – 6371 – 000		1	CONNECTOR, SORTER ソータ コネクタ	
3	FH2 – 5704 – 000		1	CORD, POWER, 125V 15A デンゲン コード	
4	FH7 – 9217 – 000		1	FILTER, NOISE ノイズ フイルタ	
5	WD3 – 0104 – 000		1	BREAKER, CIRCUIT サーキツト ブレーカ	
6	WS4 – 0060 – 000		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
7	WS4 – 0073 – 000		2	SOCKET, CONTACT, 14 – 20AWG ソケツト コンタクト	
8	WT1 – 0143 – 000		2	SOCKET, FASTON 205, 14 – 18AWG フアストン	
9	WT1 – 0171 – 000		2	SLEEVE, FASTON 205 フアストン スリーブ	
10	FA7 – 0242 – 000		1	PLATE, GROUNDING アース バン	
11	X62 – 6866 – 000		2	CLAMP クランプ	
12	X62 – 6863 – 000		2	CLAMP, CABLE, 5N コード オサエ	
13	X62 – 9153 – 000		2	SPLICE, CLOSED END ヘイタン タンシ	
14	XA9 – 0265 – 000		1	SCREW, W/WASHER, TRUSS HEAD ザツキ バインド ネジ	
15	FA2 – 5438 – 000		1	LABEL, "GROUND" アース ラベル	

FIGURE 111 POWER CORD TERMINAL ASSEMBLY (115V)
電源コード台部 (115V)

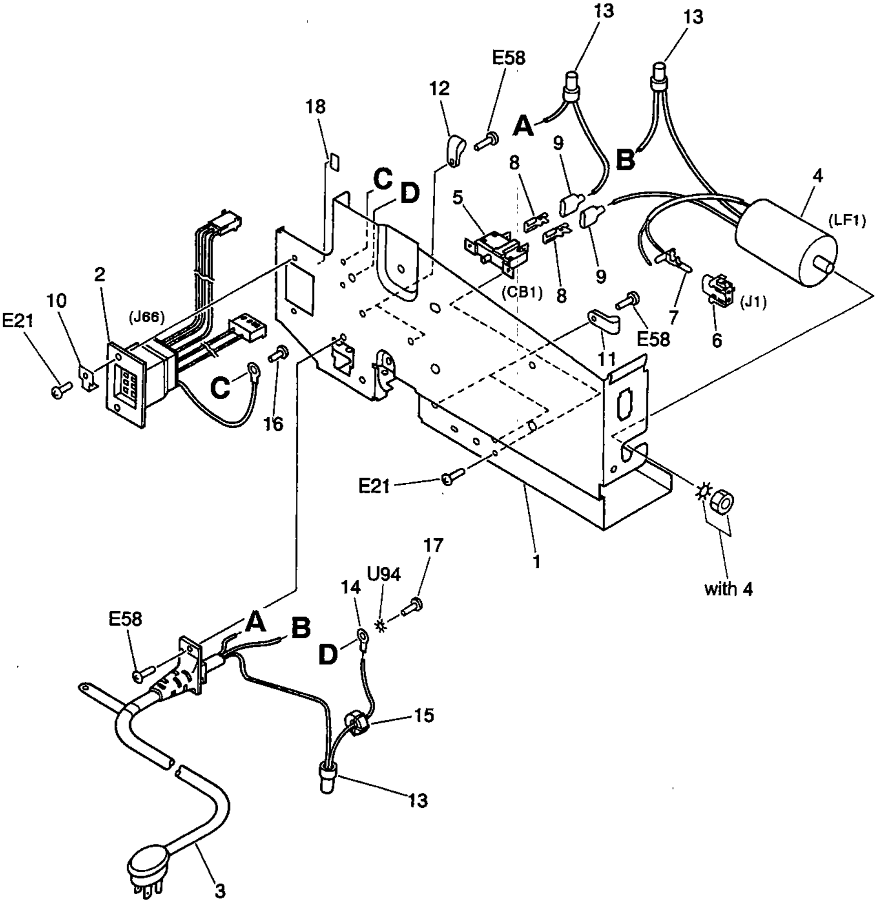

13
13
E58
12
18
A
B
9
8
C
D
5
4
(LF1)
2
10
E21
(J66)
(CB1)
8
9
7
(J1)
6
E58
11
C
16
E21
1
with 4
17
U94
14
E58
A
B
D
15
13
3

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
111 –	NPN		RF	POWER CORD TERMINAL ASSEMBLY デンゲン コード ダイ ブ	115V
1	FB1 – 5946 – 000		1	MOUNT, CORD コード ダイ	
2	FF2 – 6371 – 000		1	CONNECTOR, SORTER ソータ コネクタ	
3	FH2 – 5740 – 000		1	CORD, POWER デンゲン コード	
4	FH7 – 9217 – 000		1	FILTER, NOISE ノイズ フイルタ	
5	WD3 – 0104 – 000		1	BREAKER, CIRCUIT サーキツト ブレーカ	
6	WS4 – 0060 – 000		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
7	WS4 – 0073 – 000		2	SOCKET, CONTACT, 14 – 20AWG ソケツト コンタクト	
8	WT1 – 0143 – 000		2	SOCKET, FASTON 205, 14 – 18AWG フアストン	
9	WT1 – 0171 – 000		2	SLEEVE, FASTON 205 フアストン スリーブ	
10	FA7 – 0242 – 000		1	PLATE, GROUNDING アース バン	
11	X62 – 6866 – 000		2	CLAMP クランプ	
12	X62 – 6863 – 000		2	CLAMP, CABLE, 5N コード オサエ	
13	X62 – 9153 – 000		3	SPLICE, CLOSED END ヘイタン タンシ	
14	X66 – 6670 – 000		1	TERMINAL, RING マルガタ タンシ	
15	WE8 – 0019 – 000		1	INDUCTOR, SNG 19A – 080 インダクタ	
16	XA9 – 0265 – 000		1	SCREW, W/WASHER, TRUSS HEAD ザツキ バインド ネジ	
17	XB1 – 2600 – 603		1	SCREW,MACH.,TRUSS HEAD,M6X6 バインド ネジ	
18	FA2 – 5438 – 000		1	LABEL, "GROUND" アース ラベル	

FIGURE 112 POWER CORD TERMINAL ASSEMBLY (220/240V)

電源コード台部（220／240V）

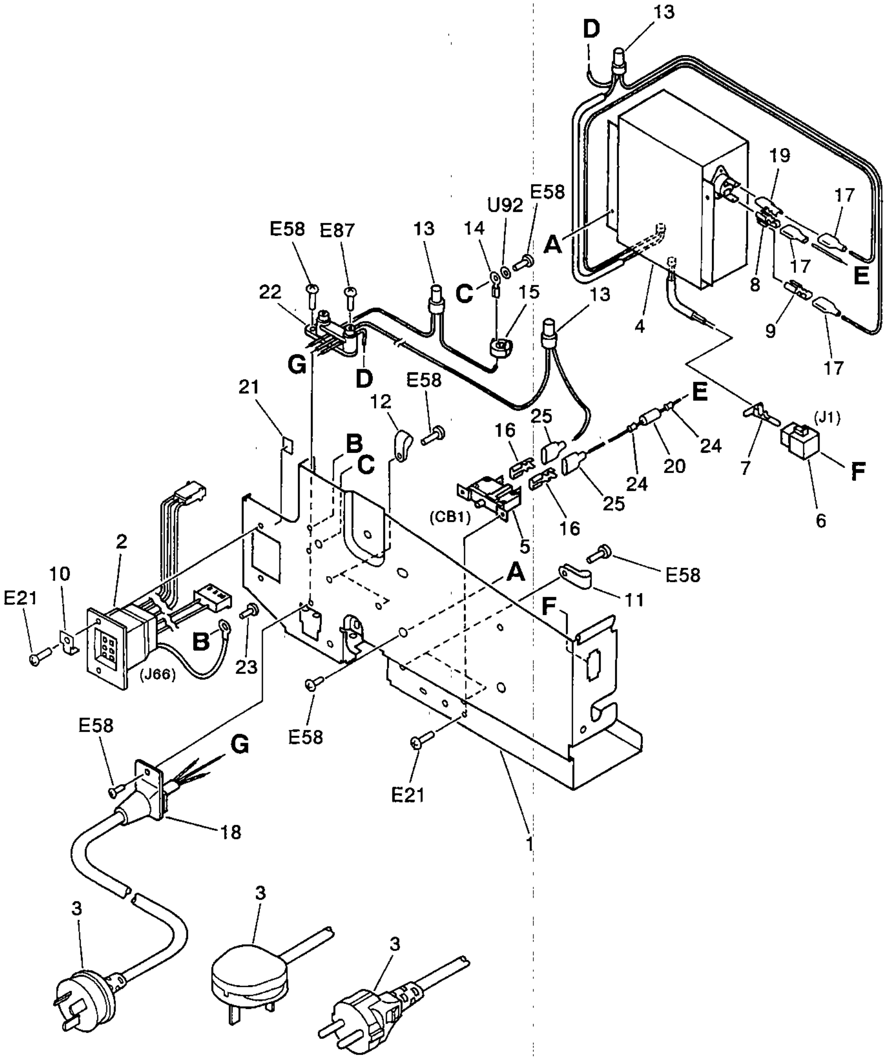

D
13
19
17
E58
U92
A
E58
E87
13
14
C
15
13
22
8
17
E
4
9
G
D
17
21
E58
12
E
B
C
16
25
24
(J1)
24
20
7
F
16
25
(CB1)
5
16
6
2
A
E58
10
11
E21
F
B
23
(J66)
E58
E58
G
E21
18
1
3
3
3

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
112 –	NPN		RF	POWER CORD TERMINAL ASSEMBLY デンゲン コード ダイ ブ	220/240V
1	FB1 – 5946 – 000		1	MOUNT, CORD コード ダイ	
2	FF2 – 6371 – 000		1	CONNECTOR, SORTER ソータ コネクタ	
3	FH2 – 5732 – 000		1	CORD, POWER, 250V 10A デンゲン コード	220V
	FH2 – 5733 – 000		1	CORD, POWER, 250V 13A デンゲン コード	F12 – 7451
	FH2 – 5734 – 000		1	CORD, POWER, 250V 10A デンゲン コード	F12 – 7461
4	FH7 – 9207 – 000		1	FILTER, NOISE ノイズ フイルタ	
5	WD3 – 0125 – 000		1	CIRCUIT BREAKER サーキツト ブレーカ	
6	WS4 – 0060 – 000		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
7	WS4 – 0073 – 000		2	SOCKET, CONTACT, 14 – 20AWG ソケツト コンタクト	
8	WT1 – 0146 – 000		1	SOCKET, FASTON 14 – 18AWG フアストン	
9	WT1 – 0579 – 000		1	RECEPTACLE リセプタクル	
10	FA7 – 0242 – 000		1	PLATE, GROUNDING アース バン	
11	X62 – 6866 – 000		2	CLAMP クランプ	
12	X62 – 6863 – 000		2	CLAMP, CABLE, 5N コード オサエ	
13	X62 – 9153 – 000		3	SPLICE, CLOSED END ヘイタン タンシ	
14	WT1 – 0237 – 000		1	TERMINAL, RING マルガタ タンシ	
15	WE8 – 0019 – 000		1	INDUCTOR, SNG 19A – 080 インダクタ	
16	X62 – 5316 – 000		2	SOCKET, FASTON 187, 16 – 20AWG フアストン	
17	WT1 – 0023 – 000		3	SLEEVE, FASTON 250 フアストン スリーブ	
18	WT2 – 0178 – 000		1	RELIEF, STRAIN コード ブツシユ	
19	WT1 – 0017 – 000		1	SOCKET, FASTON 250, 16 – 20AWG フアストン	
20	VR2 – 8035 – 393		1	RESISTOR, 39KOHM, 3W テイコウ	
21	FA2 – 5438 – 000		1	LABEL, "GROUND" アース ラベル	
22	FH2 – 5043 – 000		1	CLAMP, POWER CORD コード クリツプ	
23	XA9 – 0265 – 000		1	SCREW, W/WASHER, TRUSS HEAD ザツキ バインド ネジ	
24	WT1 – 0305 – 000		2	TERMINAL セツゾク タンシ	
25	WT1 – 0041 – 000		2	SLEEVE, FASTON 187 フアストン スリーブ	

FIGURE 120 WASTE TONER SENSOR ASSEMBLY
廃トナー検知部

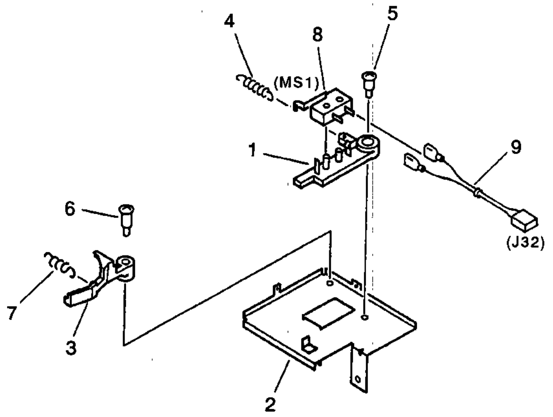


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
120 –	FG5 – 1350 – 000	N	1	WASTE TONER SENSOR ASSEMBLY ハイ トナー ケンチ ブ	
1	FA3 – 9109 – 000		1	MOUNT, MICROSWITCH ホルダ	
2	FA5 – 2556 – 000		1	PLATE, SENSOR プレート	
3	FA5 – 2557 – 000		1	LEVER レバー	
4	FS1 – 2951 – 000		1	SPRING, TENSION ヒツパリ バネ	
5	FS1 – 9004 – 000		1	SCREW, STEPPED, M4 ダンビス	
6	FS1 – 9051 – 000		1	SCREW, STEPPED, M3 ダンビス	
7	FS3 – 2022 – 000		1	SPRING, TENSION ヒツパリ バネ	
8	WC4 – 0138 – 000		1	MICROSWITCH マイクロ スイッチ	
9	FF2 – 6940 – 000		1	CABLE ソクセン	

FIGURE 130 CONTROL PANEL ASSEMBLY
操作部

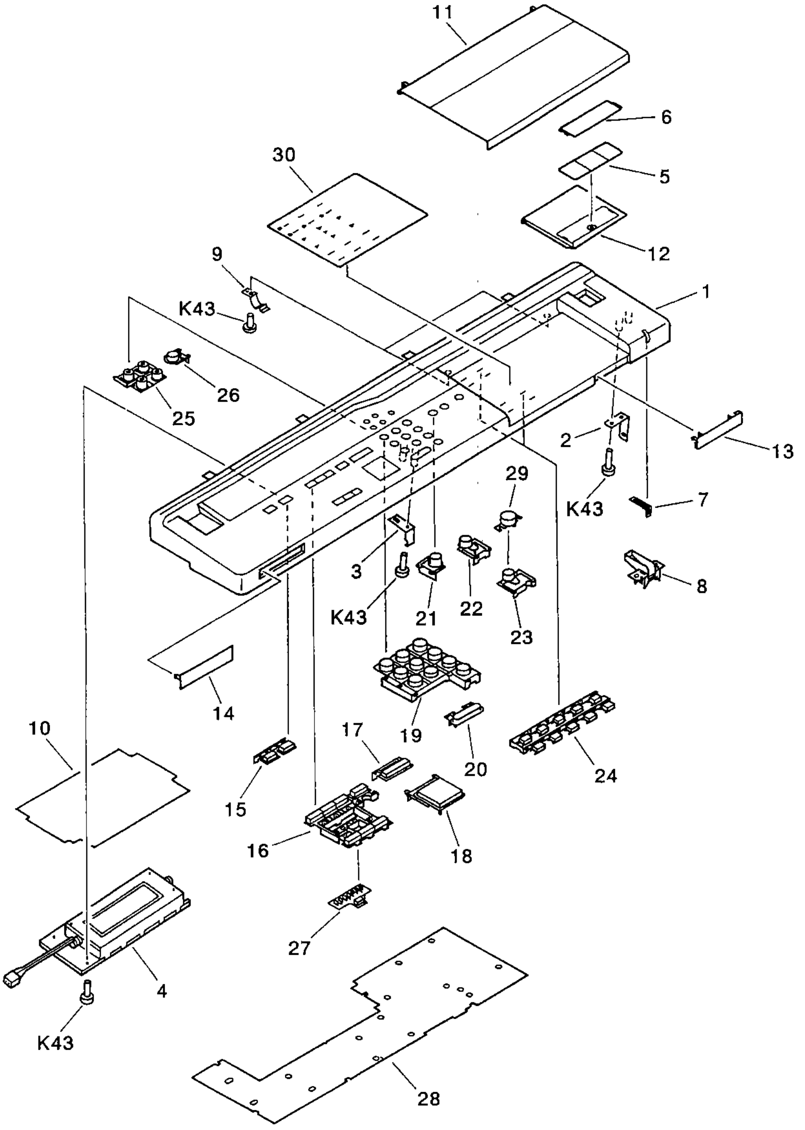

11
6
30
5
12
9
1
K43
26
25
2
13
29
K43
7
3
8
K43
21
22
23
14
10
17
19
20
24
15
16
18
27
4
K43
28

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
130 –	FG5 – 1248 – 000		1	CONTROL PANEL ASSEMBLY ソウサ ブ	JAPANESE
	FG5 – 1249 – 000		1	CONTROL PANEL ASSEMBLY ソウサ ブ	ENGLISH 115V
	FG5 – 1250 – 000		1	CONTROL PANEL ASSEMBLY ソウサ ブ	ENGLISH 220V/240V
	FG5 – 1251 – 000		1	CONTROL PANEL ASSEMBLY ソウサ ブ	ILLUSTRATION
1	FH6 – 0412 – 000		1	PANEL, CONTROL ソウサ パネル	JAPANESE
	FH6 – 0413 – 000		1	PANEL, CONTROL ソウサ パネル	ENGLISH 115V
	FH6 – 0414 – 000		1	PANEL, CONTROL ソウサ パネル	ENGLISH 220V/240V
	FH6 – 0415 – 000		1	PANEL, CONTROL ソウサ パネル	ILLUSTRATION
2	FA5 – 3154 – 000		1	HOOK, CONTROL PANEL ソウサブ フツク	
3	FA5 – 3155 – 000		1	HOOK, CONTROL PANEL ソウサブ フツク	
4	FH6 – 3247 – 000		1	LIQUID CRYSTAL DISPLAY PANEL エキショウ ソウサ ブ	
5	FB1 – 5896 – 000		1	LABEL ラベル	
6	FB1 – 5897 – 000		1	SHEET シート	
7	FB1 – 5899 – 000		1	PANEL, B パネライト (B)	
8	FB1 – 5900 – 000		1	PLATE ハンシャ バン	
9	FB1 – 5901 – 000		1	SPRING, LEAF イタ バネ	
10	FB1 – 5902 – 000		1	SHEET シート	
11	FB1 – 5893 – 000		1	COVER カバー	
12	FB1 – 5894 – 000		1	COVER フタ	
13	FB1 – 5895 – 000		1	CAP, CCV キャップ (CCV)	
14	FB1 – 5898 – 000		1	CAP, IC キャップ (IC)	
15	FB1 – 9302 – 000		1	KEY TOP, APC APC ボタン	
16	FB1 – 9303 – 000		1	KEY TOP,SCALE/DENSITY/CASSETTE シャクド/ノウド/カセット ボタン	
17	FB1 – 9304 – 000		1	KEY TOP, RESET リセット ボタン	
18	FB1 – 9305 – 000		1	KEY TOP, START スタート ボタン	
19	FB1 – 9306 – 000		1	KEY TOP, TEN KEY テンキー ボタン	
20	FB1 – 9307 – 000		1	KEY TOP, CLEAR/STOP クリア/ストップ ボタン	
21	FB1 – 9308 – 000		1	KEY TOP, CODE アンショウ ボタン	
22	FB1 – 9309 – 000		1	KEY TOP, WEDGE ワリコミ ボタン	
23	FB1 – 9310 – 000		1	KEY TOP, PREHEAT ヨネツ ボタン	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
130 − 24	FB1 − 9311 − 000		2	KEY TOP, APPLICATION MODE オウヨウ モード ボタン	
25	FB1 − 9312 − 000		1	KEY TOP, CURSOR カーソル ボタン	
26	FB1 − 9313 − 000		1	KEY TOP, GUIDE DISPLAY ガイド ヒョウジ ボタン	
27	FB1 − 9315 − 000		1	PANEL, A パネライト (A)	
28	FB1 − 9316 − 000		1	SHEET セイデン シート	
29	FB1 − 9317 − 000		1	CAP キャップ	
30	FB1 − 9318 − 000		1	PANEL パネル	JAPANESE
	FB1 − 9319 − 000		1	PANEL パネル	ENGLISH 115/220/240V
	FB1 − 9320 − 000		1	PANEL パネル	ILLUSTRATION

FIGURE 160 COPYBOARD COVER ASSEMBLY
原稿台カバー部

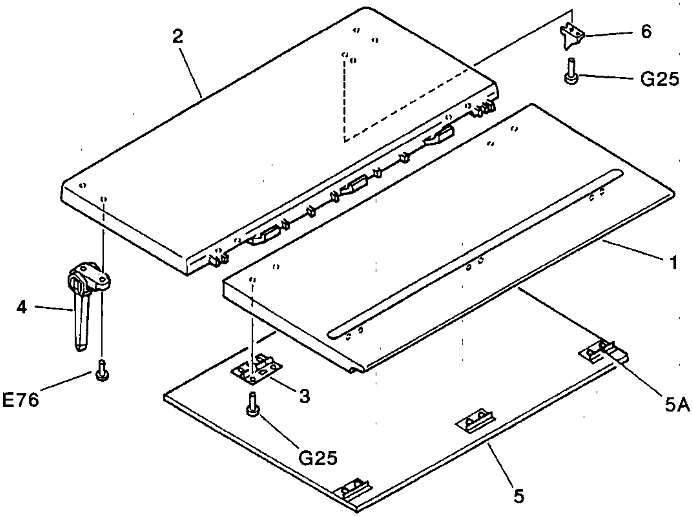


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
160 –	FG5 – 1348 – 000		1	COPYBOARD COVER ASSEMBLY ゲンコウ ダイ カバー ブ	
1	FB1 – 6385 – 000		1	ARM, WEIGHT, FRONT ウエイト アーム(マエ)	
2	FB1 – 6386 – 000		1	ARM, WEIGHT, REAR ウエイト アーム(ウシロ)	
3	FA5 – 1185 – 000		2	PLATE, HINGE ヒンジ バン	
4	FA4 – 9907 – 020		2	HINGE, COPYBOARD COVER ヒンジ	
5	FF1 – 5924 – 000		1	CUSHION ASS'Y, COPYBOARD COVER アツチヤク シート ユニツト	
5A	FA3 – 9055 – 000		3	PLATE, CUSHION HOUNTING シート トリツケ イタ	
6	FB1 – 5990 – 000		1	LEVER, SENSOR ケンチ レバー	

FIGURE 191 EXHAUST FAN ASSEMBLY
排熱ファン部

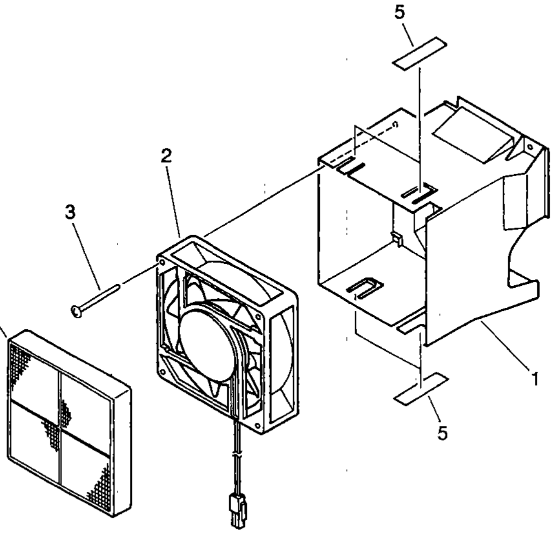


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
191 –	NPN		RF	EXHAUST FAN ASSEMBLY ハイネツ ファン ブ	
1	FB1 – 5999 – 000		1	DUCT ダクト	
2	FH7 – 1844 – 000		1	FAN, DC24V ファン モータ	
3	XA9 – 0189 – 000		2	SCREW, M4X50 ネジ	
4	FB1 – 5681 – 000		1	CASE, FILTER フイルタ ケース	
5	FB1 – 6023 – 000		4	SEAL レンズダイ シール	

FIGURE 192 COOLING FAN ASSEMBLY
冷却ファン部

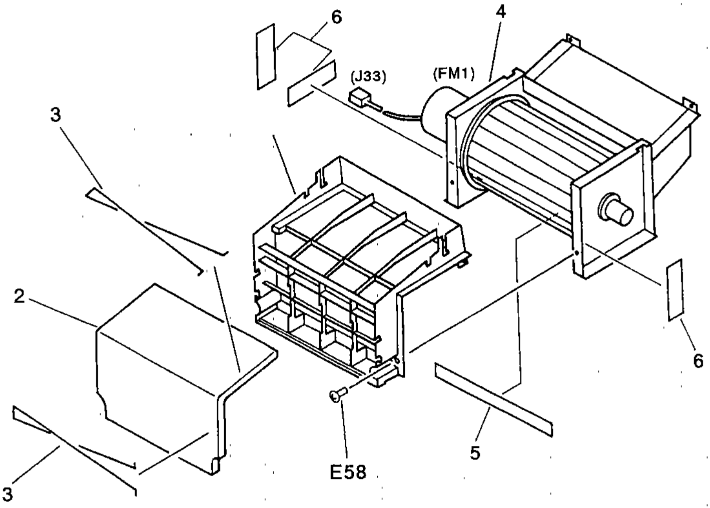


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
192 –	NPN		RF	COOLING FAN ASSEMBLY レイキャク ファン ユニット	
1	FB1 – 6383 – 000		1	DUCT, COOLING FAN レイキャク フアン ダクト	
2	FA5 – 3010 – 000		1	FILTER フイルタ	
3	FA5 – 3011 – 000		2	HOLDER, FILTER フイルタ ドメ	
4	FH7 – 1868 – 000		1	FAN, DC24V フアン モータ	
5	FB1 – 5794 – 000		1	SEAL, FAN 3 ファン シール (3)	
6	FB1 – 5795 – 000		3	SEAL, FAN 4 ファン シール (4)	

FIGURE 210 LENS MOUNT ASSEMBLY(1/2)
レンズ台部 (1/2)

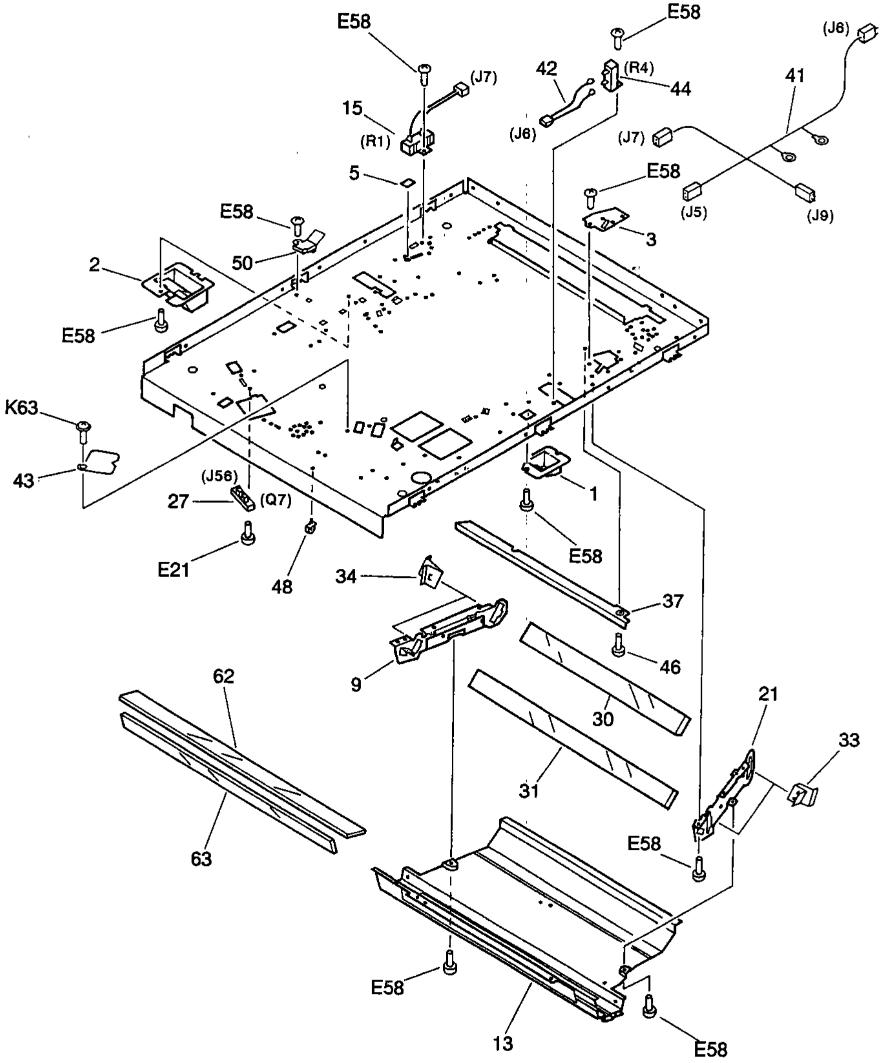

E58
E58
(J6)
(J7)
42
(R4)
44
41
15
(R1)
(J6)
(J7)
5
E58
E58
3
(J5)
(J9)
50
2
E58
K63
43
(J56)
27
(Q7)
1
E21
48
E58
34
37
9
46
62
30
21
33
31
E58
63
E58
13
E58

FIGURE 210 LENS MOUNT ASSEMBLY(2/2)
レンズ台部 (2/2)

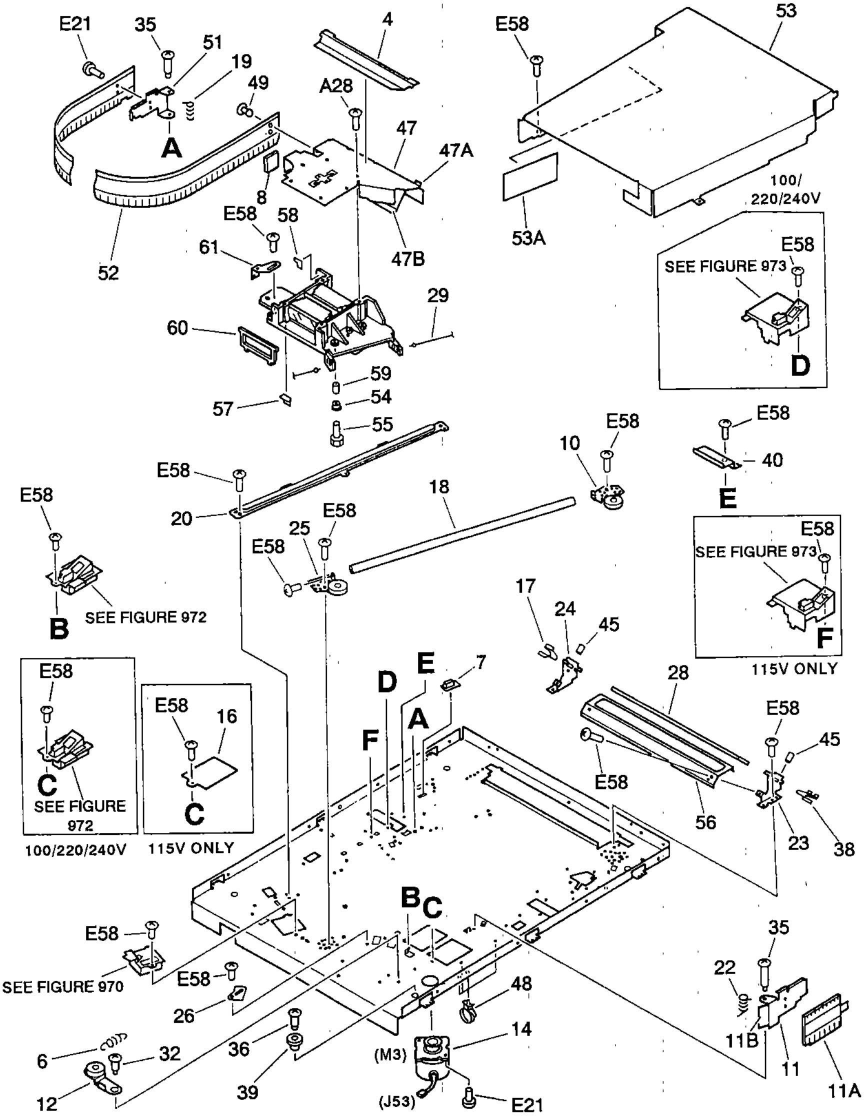

E21
35
51
19
49
4
A28
47
47A
E58
53
A
8
52
E58
58
61
47B
53A
100/
220/240V
E58
SEE FIGURE 973
D
29
60
59
54
57
55
E58
10
E58
40
E
E58
20
18
E58
25
E58
E58
E58
SEE FIGURE 973
F
115V ONLY
B
SEE FIGURE 972
17
24
45
E58
C
SEE FIGURE
972
100/220/240V
E58
16
C
115V ONLY
E
7
D
A
F
28
E58
45
E58
56
23
38
B
C
E58
SEE FIGURE 970
E58
26
35
22
11B
11
11A
48
14
(M3)
(J53)
E21
6
32
12
36
39

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
210 –	NPN		RF	LENS MOUNT ASSEMBLY レンズ ダイ ブ	
1	FB1 – 6381 – 000		1	DUCT, FRONT ダクト (マエ)	
2	FB1 – 6382 – 000		1	DUCT, REAR ダクト (ウシロ)	
3	FA5 – 2437 – 000		1	PLATE, SHUTTER シヤツタ バン	
4	FA5 – 3228 – 000		1	SHEET レンズ シート	
5	FA9 – 1967 – 000		1	SHEET シート	
6	FA9 – 1980 – 000		1	SPRING, TENSION ヒツバリ バネ	
7	FA9 – 2087 – 000		1	OIL CAP オイル キヤツプ	
8	FA9 – 2091 – 000		1	GUIDE カーテン ガイド	
9	FF2 – 0172 – 000		1	MOUNT, LOWER MIRROR, REAR シタ ミラーダイ (ウシロ)	
10	FF2 – 0077 – 000		1	MOUNT, PULLEY, 2 プーリ ダイ (2)	
11	FF2 – 0078 – 000		1	PLATE, LIGHT – BLOCKING シヤコウ バン	
11A	FA5 – 2439 – 000		1	SLIT スリツト	
11B	FA5 – 3230 – 000		1	SHEET シート	
12	FF2 – 0079 – 000		1	MOUNT, PULLEY, 1 プーリ ダイ (1)	
13	FF2 – 0219 – 000		1	COVER, DUST PROOFING ボウジン カバー	
14	FF9 – 0975 – 000		1	STEPPING MOTOR UNIT ステツピング モータ ユニツト	
15	FF9 – 0998 – 000		1	RESISTOR HEATER UNIT テイコウ ヒータ ユニツト	100V
16	FA3 – 8465 – 000		1	PLATE, BLANKING メカクシ バン	115V
17	FA5 – 1644 – 000		1	SPRING, LEAF, 2/3 FRONT ダイ 2/3 ミラー オサエ バネ (マエ)	
18	FA5 – 2423 – 000	N	1	ROD, GUIDE レンズ ジク	
19	FA5 – 2425 – 000		1	SPRING, TORSION ネジリ バネ	
20	FA5 – 2426 – 000		1	GUIDE, CAM カム ミゾバン	
21	FA5 – 2427 – 000		1	MOUNT, LOWER MIRROR, FRONT シタ ミラーダイ (マエ)	
22	FA9 – 2089 – 000		1	SPRING, TORSION ネジリ バネ	
23	FA5 – 2430 – 000		1	MOUNT, MIRROR 4, FRONT ダイ 4 ミラーダイ (マエ)	
24	FA5 – 2431 – 000		1	MOUNT, MIRROR 4, REAR ダイ 4 ミラーダイ (ウシロ)	
25	FF9 – 1119 – 000		1	MOUNT, PULLEY プーリ ダイ	
26	FA5 – 2433 – 000		1	FLAG フラツグ	
27	FH7 – 7221 – 000		1	PHOTO – INTERRUPTER フオトインタラプタ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
210 – 28	FN1 – 4219 – 000		1	MIRROR, 4 ダイ 4 ミラー	
29	FA5 – 2442 – 000		1	WIRE ワイヤ	
30	FN1 – 4220 – 000		1	MIRROR, 5 ダイ 5 ミラー	
31	FN1 – 4221 – 000		1	MIRROR, 6 ダイ 6 ミラー	
32	FS1 – 9002 – 000		1	SCREW, STEPPED, M4 ダンビス	
33	FA5 – 2461 – 000		2	SPRING, LEAF シタ ミラーバネ (マエ)	
34	FA5 – 2462 – 000		2	SPRING, LEAF シタ ミラーバネ (ウシロ)	
35	FS1 – 9007 – 000		2	SCREW, STEPPED, M4 ダンビス	
36	FS1 – 9168 – 000		1	SCREW, STEPPED, M4 ダンビス	
37	FA5 – 2465 – 000		1	PLATE, LIGHT – BLOCKING シヤコウ バン	
38	FA5 – 2466 – 000		1	SPRING, LEAF ダイ 4 ミラーバネ	
39	FS2 – 6016 – 000		1	ROLLER, WIRE ワイヤ コロ	
40	FA5 – 3211 – 000		1	PLATE, OIL STOP オイル ストツパ	100/220/240V
41	FF2 – 4554 – 000		1	CABLE, HEATER ヒータ ソクセン	100V
42	FF9 – 1058 – 000		1	CABLE ソクセン	100V
43	FB1 – 6177 – 000		1	PLATE, BLANKING メカクシ バン	
44	VR5 – 7790 – 152		1	RESISTOR, 1.5KOHM, 10W テイコウ	100V
45	X31 – 6240 – 880		4	SETSCREW, M4X8 ロツカク アナツキ トメネジ	
46	XA9 – 0379 – 000		2	SCREW, M4X3 ビス	
47	FF2 – 0073 – 000		1	PLATE, LIGHT – BLOCKING コウリヨウ ホセイバン	
47A	FA5 – 3220 – 000		1	SHEET, 2 シート (2)	
47B	FA5 – 3222 – 000		1	SHEET, 4 シート (4)	
48	WT2 – 0435 – 000		11	CLAMP, CORD コード クランプ	
49	FA9 – 1699 – 000		1	CLIP クリツプ	
50	FA9 – 1971 – 000		1	CLAMP, CORD コード オサエ	
51	FA5 – 2424 – 000		1	PLATE, BLANKING シヤコウ バン	
52	FA5 – 2438 – 000		1	CURTAIN シャコウ カーテン	
53	FF9 – 1082 – 000		1	COVER, LENS レンズ フード	
53A	FA9 – 1968 – 000		1	SHEET シート	
54	FA5 – 0520 – 000		2	COLLOR カラー	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
210 – 55	FA5 – 0998 – 000		2	SCREW, M6.4X14.4 カラー トメ ビス	
56	FA5 – 2432 – 000		1	PLATE, SLIT スリット バン	
57	FA5 – 3221 – 000		1	SHEET, 3 シート (3)	
58	FA5 – 3219 – 000		1	SHEET, 1 シート (1)	
59	FA3 – 8421 – 000		2	SPACER スペーサ	
60	FA5 – 0510 – 000		2	RETAINER, LENS レンズ オサエ	
61	FA5 – 2481 – 030		1	MOUNT, PCB PCB トリツケ バン	
62	FN1 – 4222 – 000		1	GLASS, DUST – PROOF 1 ボウジン ガラス 1	
63	FN1 – 4223 – 020		1	GLASS, DUST – PROOF 2 ボウジン ガラス 2	

FIGURE 250 MAIN MOTOR ASSEMBLY
メインモータ部

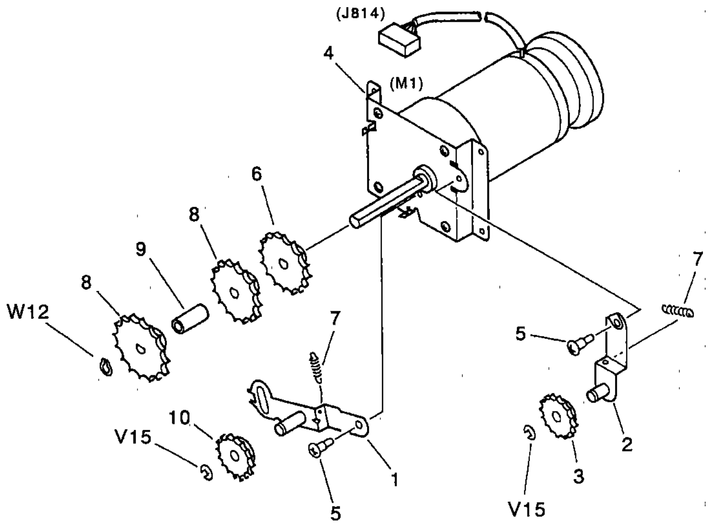


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
250 –	FG5 – 1207 – 000	N	1	MAIN MOTOR ASSEMBLY メイン モータ ブ	
1	FF2 – 0179 – 000		1	ARM, TENSIONING テンシヨナ バン	
2	FF2 – 0144 – 000		1	ARM, TENSIONING テンシヨナ バン	
3	87 – 3050 – 000		1	SPROCKET, 16T 16T スプロケット	
4	FH7 – 1759 – 000		1	MOTOR, DC19V DC モータ	
5	FS1 – 9002 – 000		2	SCREW, STEPPED, M4 ダンビス	
6	FS2 – 0177 – 000		1	SPROCKET スプロケット	
7	FS2 – 2315 – 000		2	SPRING, TENSION ヒツパリ バネ	
8	FS2 – 3011 – 000		2	SPROCKET, 33T 33T スプロケット	
9	XZ9 – 0297 – 000		1	SPACER スペーサ	
10	FS1 – 0545 – 000		1	SPROCKET, 18T 18T スプロケット	

FIGURE 251 DRUM DRIVE ASSEMBLY ドラム駆動部

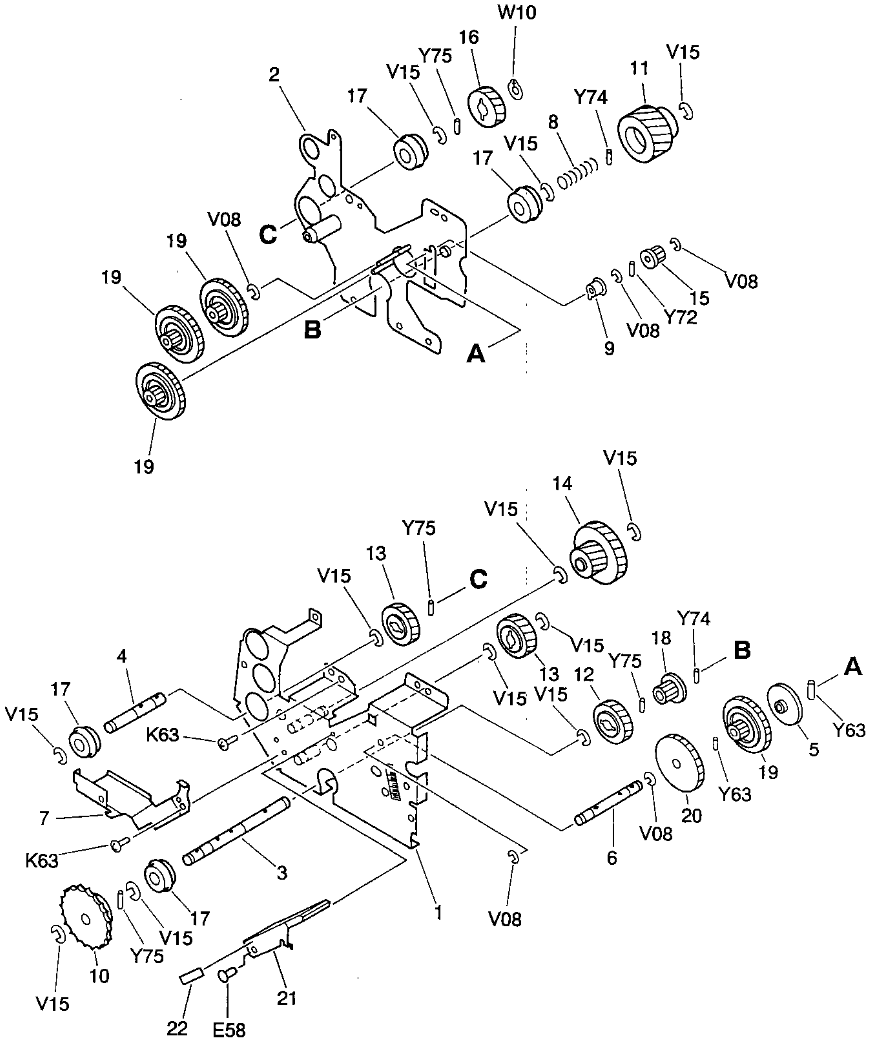

W10
16
Y75
V15
2
17
V15
11
Y74
8
V15
17
V08
C
19
19
V08
15
B
Y72
V08
A
9
19
V15
14
V15
Y75
13
C
V15
Y74
18
B
V15
Y75
A
4
13
12
17
V15
V15
V15
Y63
K63
5
19
Y63
7
20
V08
6
K63
3
17
1
V08
V15
Y75
10
V15
21
22
E58

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
251 –	FG5 – 1235 – 000		1	DRUM DRIVE ASSEMBLY ドラム クドウ ブ	
1	FF5 – 0981 – 000	N	1	MOUNT, GEAR, UPPER トリツケ ダイ (ウエ)	
2	FF5 – 0980 – 000	N	1	MOUNT, GEAR, LOWER トリツケ ダイ (シタ)	
3	FB1 – 6057 – 000		1	SHAFT, POWER, INPUT ニユウリヨク ジク	
4	FA5 – 2779 – 000		1	SHAFT, DRIVE, B クドウジク (B)	
5	FB1 – 6039 – 000		1	CAM レシプロ カム	
6	FB1 – 6038 – 000		1	SHAFT レシプロ ジク	
7	FB1 – 6037 – 000		1	PLATE, HOOKING バネカケ イタ	
8	FS3 – 2024 – 000		1	SPRING, COMPRESSION アツシユク バネ	
9	FS1 – 1376 – 000		1	BUSHING ブッシング	
10	FS5 – 3157 – 000		1	SPROCKET, 33T 33T スプロケット	
11	FS3 – 0022 – 000		1	GEAR, 50T 50T ギア	
12	FS3 – 0062 – 000		1	GEAR, 49T 49T ギア	
13	FS3 – 0063 – 000		2	GEAR, 47T 47T ギア	
14	FS3 – 0064 – 000		1	GEAR, 34/68T 34/68T ギア	
15	FS5 – 0289 – 000		1	GEAR, 20T 20T ギア	
16	FS3 – 0066 – 000		1	GEAR, 22T 22T ギア	
17	XG9 – 0208 – 000		4	BEARING, BALL ボール ベアリング	
18	FS3 – 0068 – 000		1	GEAR, 24T 24T ギア	
19	FS3 – 0069 – 000		4	GEAR, 24/86T 24/86T ギア	
20	FS3 – 0070 – 000		1	GEAR, 86T 86T ギア	
21	FB1 – 6054 – 000		1	COVER, GEAR ギア カバー	
22	FS2 – 8614 – 000		1	LABEL, "WARNING,HIGH VOLTAGE" コウアツ チユウイ メイハン	220/240V
	FS8 – 8194 – 000		1	LABEL, WARNING コネクタ チユウイ ラベル	115V

FIGURE 260 PAPER FEED DRIVE ASSEMBLY
給紙駆動部

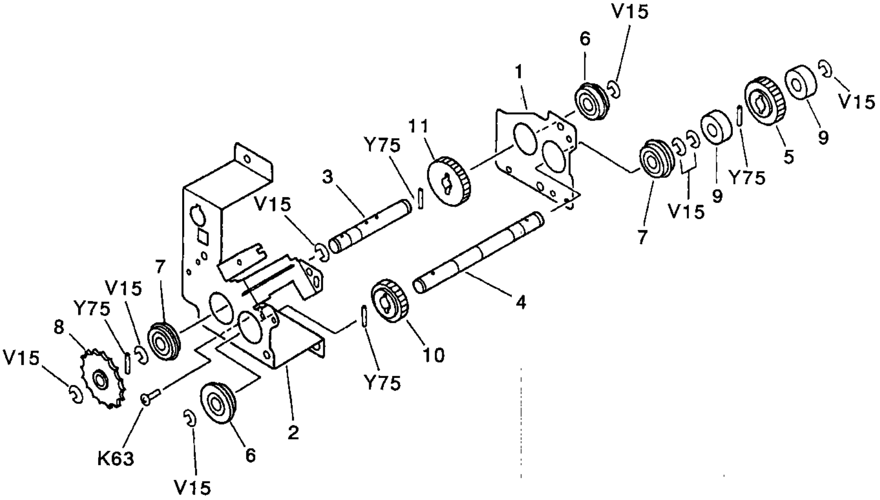


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
260 –	FG5 – 1236 – 000		1	PAPER FEED DRIVE ASSEMBLY キユウシ クドウ ブ	
1	FB1 – 6041 – 000		1	MOUNT, SHAFT, LOWER キユウシ クドウ バン (シタ)	
2	FB1 – 6040 – 000		1	MOUNT, SHAFT, UPPER キユウシ クドウ バン (ウエ)	
3	FB1 – 6404 – 000		1	SHAFT, POWER INPUT ニユウリヨク ジク	
4	FB1 – 6415 – 000		1	SHAFT, POWER OUTPUT シユツリヨク ジク	
5	FS2 – 0441 – 000		1	GEAR, 28T 28T ギア	
6	XG9 – 0201 – 000		2	BEARING, BALL ボール ベアリング	
7	XG9 – 0208 – 000		2	BEARING, BALL ボール ベアリング	
8	FS2 – 3012 – 000		1	SPROCKET, 24T 24T スプロケツト	
9	FS2 – 6005 – 000		2	ROLLER コロ	
10	FS3 – 0026 – 000		1	GEAR, 24T 24T ギア	
11	FS3 – 0039 – 000		1	GEAR, 30T 30T ギア	

FIGURE 263 REGISTRATION DRIVE ASSEMBLY
レジスト駆動部

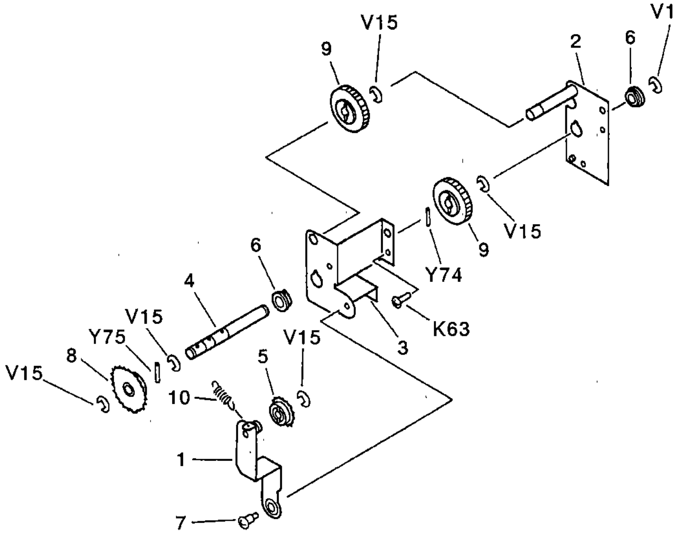


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
263 –	FG5 – 1274 – 000	N	1	REGISTRATION DRIVE ASSEMBLY レジスト クドウ ブ	
1	FF5 – 0986 – 000		1	PLATE, TENSION テンシヨナ バン	
2	FF2 – 0158 – 000		1	PLATE, SPINDLE, LOWER レジスト クドウ バン (シタ)	
3	FA5 – 2937 – 000		1	MOUNT, GEAR, UPPER レジスト クドウ バン (ウエ)	
4	FA5 – 2938 – 000		1	SHAFT, INPUT ニユウリヨク ジク	
5	FS1 – 0545 – 000		1	SPROCKET, 18T 18T スプロケツト	
6	FS1 – 1449 – 000		2	BUSHING ブツシング	
7	FS1 – 9002 – 000		1	SCREW, STEPPED, M4 ダンビス	
8	FS2 – 3012 – 000		1	SPROCKET, 24T 24T スプロケツト	
9	FS3 – 0098 – 000		2	GEAR, 35T 35T ギア	
10	FS3 – 2046 – 000		1	SPRING, TENSION ヒツパリ バネ	

FIGURE 264 CROSS-WAY REGIST. DRIVE ASSEMBLY
横レジスト駆動部

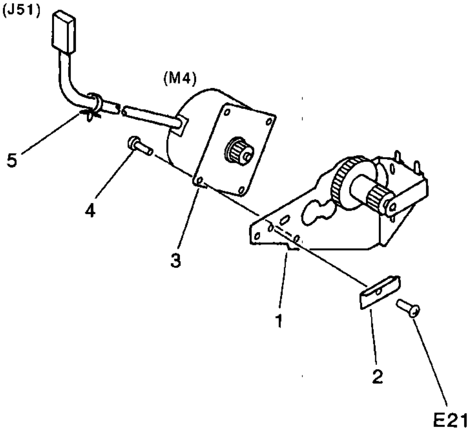


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
264 –	NPN		RF	CROSS – WAY REGIST. DRIVE ASS'Y ヨコ レジスト クドウ ブ	
1	FF5 – 0949 – 000		1	MOUNT, MOTOR モータ シダイ	
2	FB1 – 5904 – 000		1	PLATE シユウドウ バン	
3	FH7 – 1773 – 000		1	MOTOR, DC24V ステツピング モータ	
4	XB1 – 2300 – 309		2	SCREW,MACH.,TRUSS HEAD,M3X3 バインド ネジ	
5	WT2 – 0435 – 000		1	CLAMP, CORD コード クランプ	

FIGURE 280 FIXING UNIT DRIVE ASSEMBLY
定着駆動部

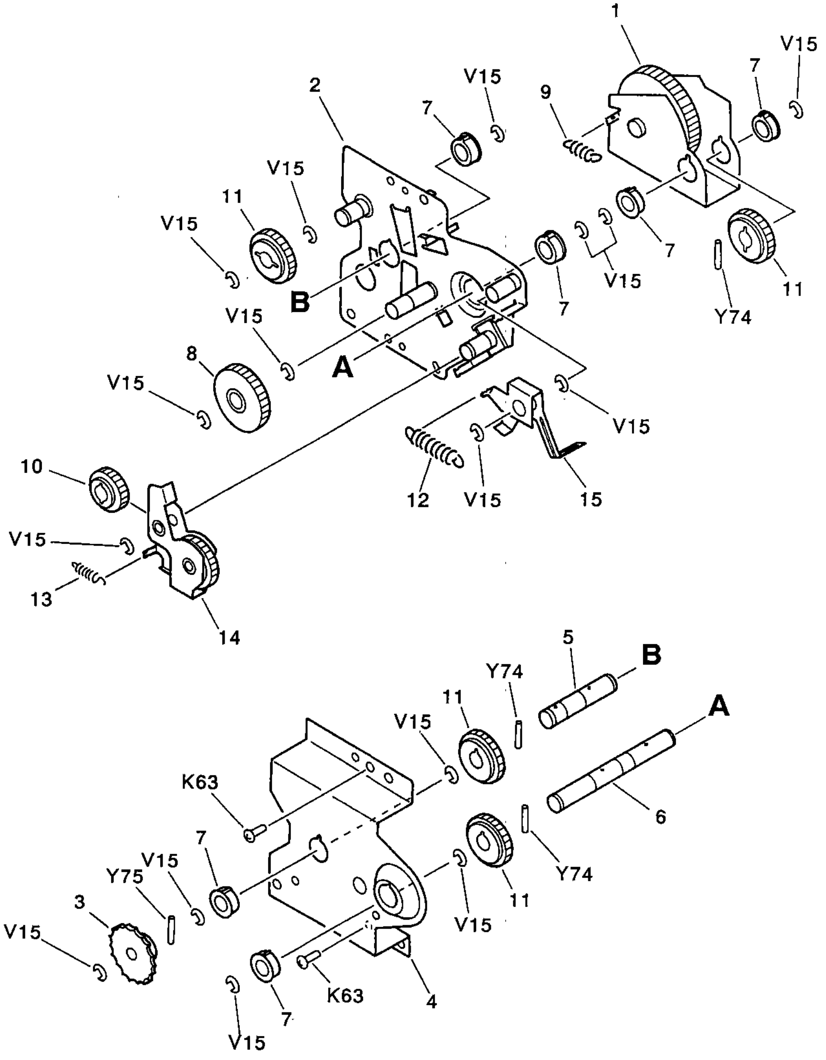

1
V15
7
V15
9
2
7
V15
11
V15
7
V15
7
B
11
V15
Y74
A
8
V15
V15
10
12
V15
15
V15
13
14
5
B
Y74
11
A
V15
K63
6
7
V15
Y75
Y74
3
11
V15
V15
K63
4
7
V15

FIGURE & KEY NO.	PART NUMBER	RANK	QTY.	DESCRIPTION	SERIAL NUMBER / REMARKS
280 –	FG5 – 1206 – 000	N	1	FIXING UNIT DRIVE ASSEMBLY テイチヤク クドウ ブ	
1	FF2 – 0134 – 000		1	ARM, FIXING ASS'Y DRIVE テイチヤク クドウ ヨウドウ バン	
2	FF5 – 0944 – 000		1	PLATE, LOWER テイチヤク クドウ バン (シタ)	
3	87 – 3050 – 000		1	SPROCKET, 16T 16T スプロケツト	
4	FB1 – 5888 – 000		1	PLATE, UPPER テイチヤク クドウ バン (ウエ)	
5	FA5 – 2995 – 000		1	SHAFT, POWER INPUT ニユウリヨク ジク	
6	FA5 – 2996 – 000		1	SHAFT, POWER OUTPUT シユツリヨク ジク	
7	FS1 – 1202 – 000		6	BUSHING ブツシング	
8	FS1 – 0615 – 000		1	GEAR, 30T 30T ギア	
9	FS2 – 2330 – 000		1	SPRING, TENSION ヒツパリ バネ	
10	FS3 – 0054 – 020		1	GEAR, 18T 18T ギア	
11	FS3 – 0074 – 000		4	GEAR, 25T 25T ギア	
12	FS5 – 2262 – 000		1	SPRING, TENSION 1 ヒツパリ バネ (1)	
13	FS5 – 2263 – 000		1	SPRING, TENSION 2 ヒツパリ バネ (2)	
14	FF5 – 0945 – 000		1	ARM, GEAR MOUNTING 2 カイテン バン (2)	
15	FB1 – 5980 – 000		1	ARM, GEAR MOUNTING 1 カイテン バン (1)	

FIGURE 281 CLEANING BELT DRIVE ASSEMBLY
ウェブ駆動部

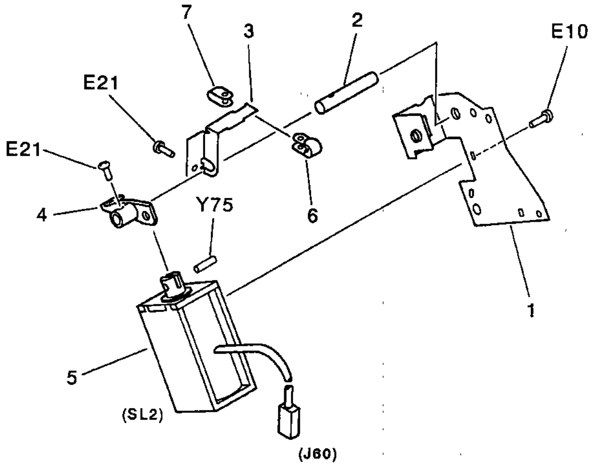


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
281 –	NPN		RF	CLEANING BELT DRIVE ASSEMBLY ウエブクドウブ	
1	FB1 – 6004 – 000		1	MOUNT, SOLENOID ソレノイドシバン	
2	FB1 – 6006 – 000		1	SHAFT ジク	
3	FB1 – 6005 – 000		1	ARM アーム	
4	FA3 – 8917 – 000		1	ARM 2 アーム 2	
5	FH7 – 5240 – 000		1	SOLENOID, DC24V ソレノイド	
6	FA5 – 3019 – 000		2	PAD パッド	
7	FA5 – 3020 – 000		2	SPRING, LEAF イタバネ	

FIGURE 282 JAM CLEARING DRIVE ASSEMBLY
ジャム解除駆動部

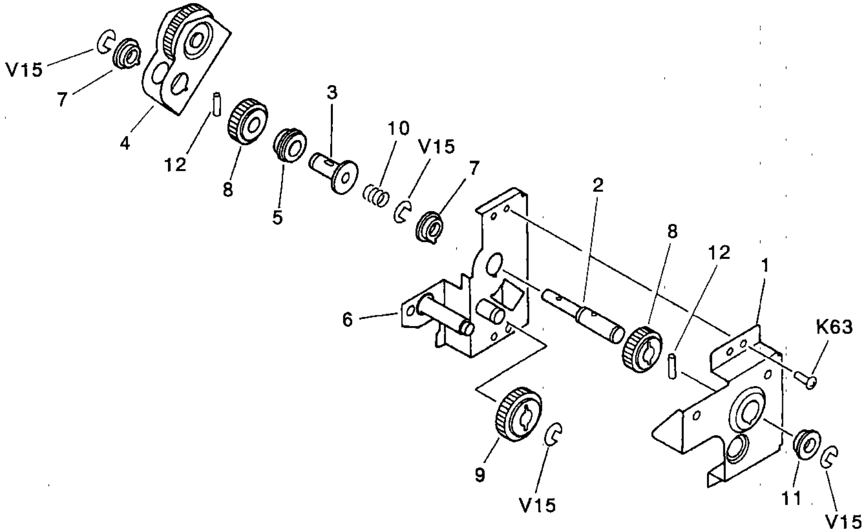
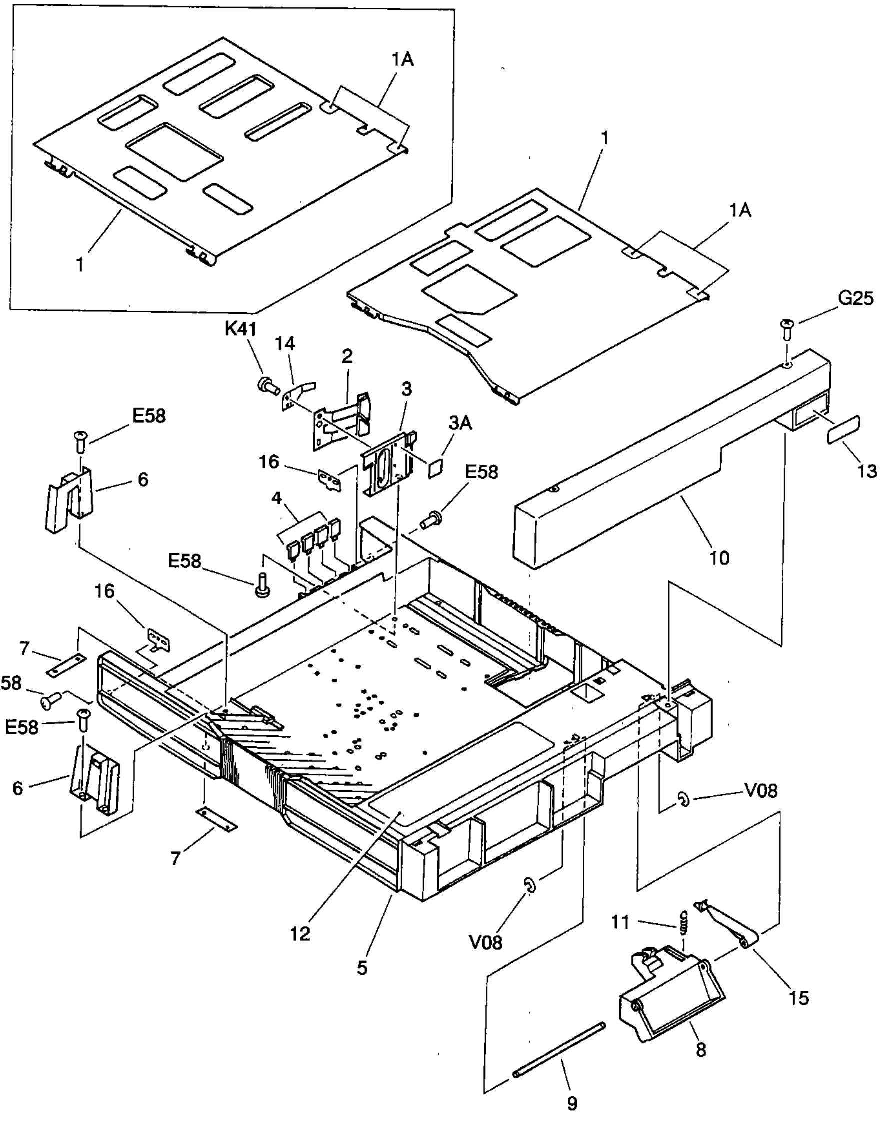


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
282 –	FG5 – 1238 – 000		1	JAM CLEARING DRIVE ASSEMBLY ジヤム カイジヨ クドウ ブ	
1	FB1 – 6073 – 000		1	MOUNT, UPPER クドウバン (ウエ)	
2	FB1 – 6076 – 000		1	SHAFT, KNOB トツテ ジク	
3	FB1 – 6077 – 000		1	PIN スリツプ ジク	
4	FF5 – 0963 – 000		1	PLATE, SWING ヨウドウ バン	
5	FF5 – 1003 – 000		1	PLATE, BUSHING マサツ バン	
6	FF5 – 1004 – 000		1	MOUNT, LOWER クドウバン (シタ)	
7	FS1 – 1449 – 000		2	BUSHING ブツシング	
8	FS2 – 0445 – 000		2	GEAR, 20T 20T ギア	
9	FS3 – 0074 – 000		1	GEAR, 25T 25T ギア	
10	FS5 – 2264 – 000		1	SPRING, COMPRESSION アツシユク バネ	
11	FS1 – 1462 – 000		1	BUSHING ブッシング	
12	XD9 – 0104 – 000		2	PIN, DOWEL ヘイコウ ピン	

FIGURE 300 CASSETTE カセット

LGL, LTR, LTR-R


1A
1
1
1A
G25
K41
14
2
3
3A
E58
6
16
13
E58
4
10
E58
16
7
E58
E58
6
V08
7
12
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V08
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15
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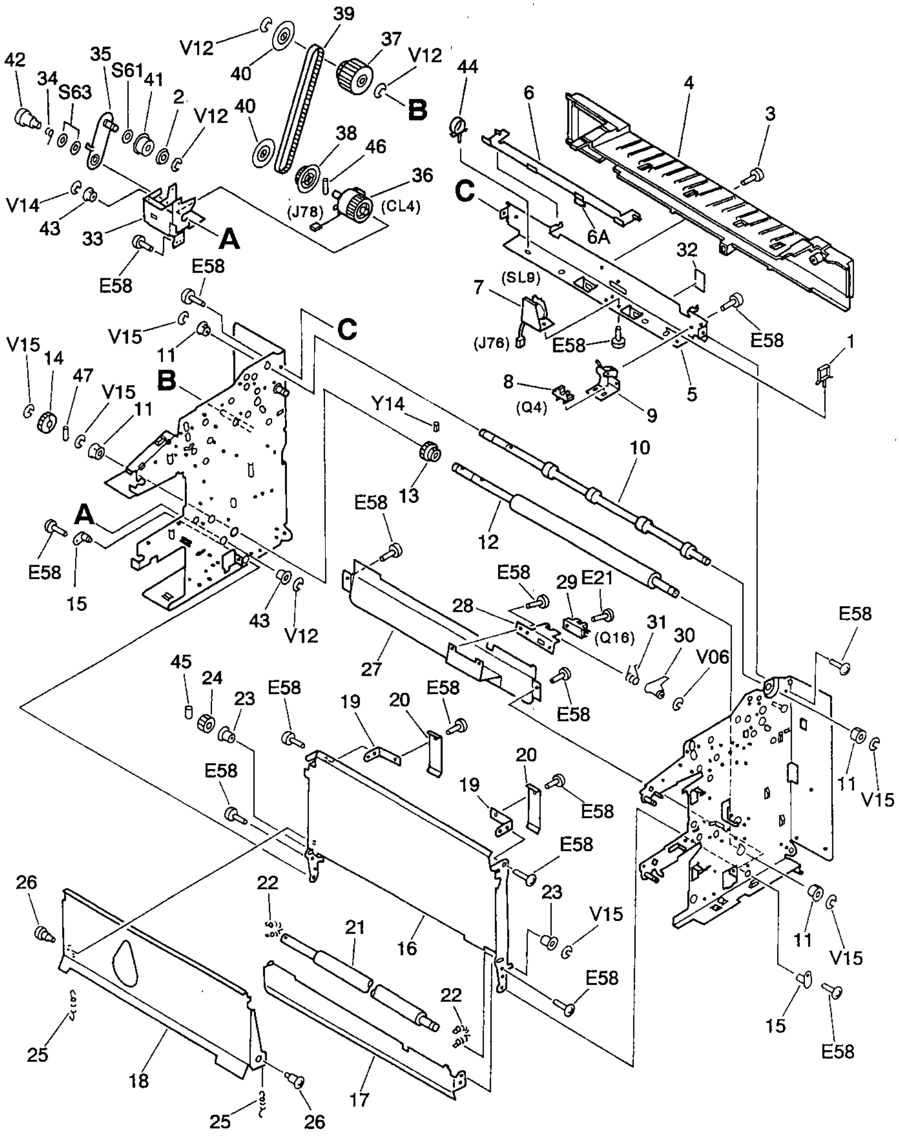
9

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
300 –	NPN		RF	CASSETTE カセツト	
1	FF2 – 0147 – 020		1	PLATE,PAPER LIFTING ナカイタ	A3,A4R,B4,A4,B5R,B5
	FF2 – 0148 – 020		1	PLATE,PAPER LIFTING ナカイタ	LGL,LTR – R,LTR,LDR
1A	FA3 – 8777 – 000		2	STRIP, FRICTION ブンリ シート	
2	FF2 – 0149 – 020		1	GUIDE, SIDE サイド ガイド	
3	FF2 – 0166 – 050		1	PLATE,SIDE GUIDE SUPPORT サイド ガイド シバン	
3A	FS4 – 8059 – 000		1	LABEL セキサイ ゲンド ラベル	
4	FA5 – 2231 – 030		4	BLOCK, SIZE サイズ ケンチ コマ	
5	FB1 – 6397 – 000	N	1	BODY, CASSETTE カセツト オケ	
6	FA5 – 3311 – 000		2	PLATE, SIZE, SIDE サイド キセイ バン	
7	FA5 – 3312 – 000		2	PLATE, NUT イタ ナツト	
8	FB1 – 6398 – 000		1	LATCH, HANDLE トツテ	
9	FA5 – 3314 – 000		1	ROD, LATCH HANDLE トツテ ジク	
10	FB1 – 6151 – 000		1	COVER, CASSETTE カセツト カバー	
11	FS3 – 2051 – 000		1	SPRING, TENSION ヒッパリ バネ	
12	FS8 – 8666 – 000		1	LABEL ヨウシ ホキユウ ラベル	
13	FS5 – 8473 – 000		1	LABEL, SIZE サイズ ラベル	A3,A4R,B4,A4,B5R,B5
	FS5 – 8474 – 000		1	LABEL, SIZE サイズ ラベル	LGL,LTR – R,LTR,LDR
14	FA5 – 3322 – 000		1	SPRING, LEAF サイド ガイド バネ B	
15	FA5 – 3324 – 030		1	LEVER, PAPER CONTACT サイド オサエ	
16	FA5 – 3325 – 000		2	PLATE, STOP ストツパ	

FIGURE 310 PAPER PICK-UP ASSEMBLY 1
給紙部 (1)


39
V12
37
V12
44
42
35
S61
41
34
S63
2
V12
40
40
B
6
4
3
38
46
36
(J78)
(CL4)
C
V14
43
33
A
E58
6A
32
E58
E58
(SL9)
7
V15
C
(J76)
E58
E58
1
V15
14
11
47
B
V15
11
8
(Q4)
9
5
Y14
10
13
E58
12
A
E58
15
43
V12
E58
29
E21
28
31
30
(Q16)
V06
E58
27
E58
45
24
23
E58
19
20
E58
20
19
E58
11
V15
E58
E58
26
22
21
16
23
V15
11
V15
E58
22
25
18
15
E58
17
25
26

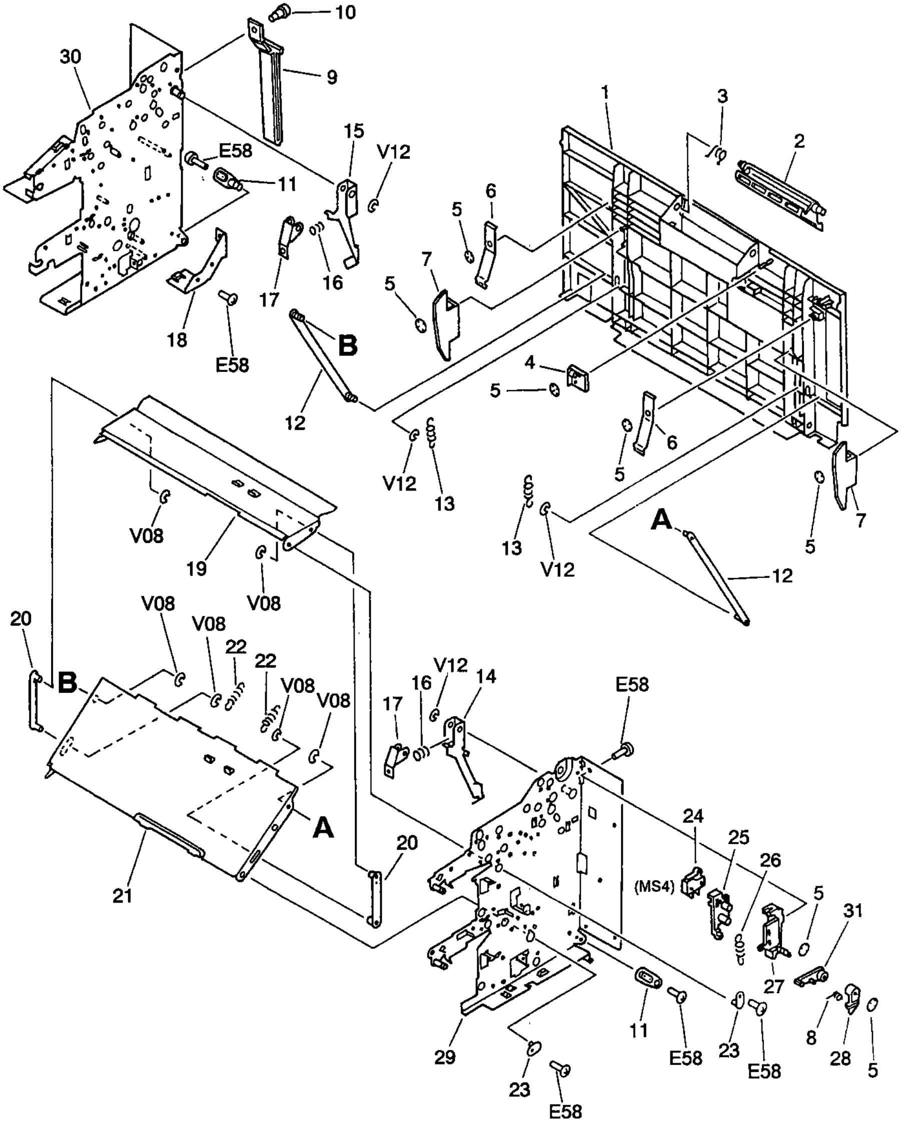
NOTE : This assembly comes with all the parts shown in Figures 310, 311, 312, 313 and 314.

注 : このユニットは、 Figure 310, 311, 312, 313 と 314 の全てのパーツで構成されています。

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
310 –	FG5 – 1210 – 110		1	PAPER PICK – UP ASSEMBLY キュウシ ブ	SEE NOTE
1	WT2 – 5048 – 000		3	CLAMP, CORD コード クランプ	
2	FA3 – 2015 – 020		1	SPACER スペーサ	
3	XA9 – 0041 – 000		1	SCREW, INSUL, TRUSS HEAD, M4X8 ポリ ビス	
4	FB1 – 5917 – 000		1	GUIDE, MANUAL FEED テザシ ガイド	
5	FA5 – 2823 – 030		1	CROSSMEMBER テザシ ステー	
6	FF9 – 1092 – 000		1	SHUTTER, MANUAL FEED テザシ シャツタ	
6A	FA5 – 2931 – 000		2	PAD パツド	
7	FH7 – 5155 – 000		1	SOLENOID, DC24V ソレノイド	
8	FH7 – 7155 – 000		1	PHOTO – INTERRUPTER フオトインタラプタ	
9	FF2 – 0214 – 000		1	MOUNT, PHOTO – INTERRUPTER テザシ センサ ダイ	
10	FA5 – 2892 – 020		1	ROLLER, MANUAL FEED, LOWER テザシ ローラ (シタ)	
11	FS1 – 1462 – 000		4	BUSHING ブッシング	
12	FB1 – 5911 – 000		1	REGISTRATION ROLLER 3 ダイ 3 レジ クドウ ローラ	
13	FS3 – 0077 – 000		1	GEAR, 24T 24T ギア	
14	FS1 – 0422 – 000		1	GEAR, 20T 20T ギア	
15	FA5 – 2839 – 000		2	PLATE, PIN フロート ピン	
16	FA5 – 3401 – 000		1	PLATE, GUIDE タテ パス ガイド	
17	FA5 – 3402 – 000		1	PLATE, GUIDE, II タテ パス ガイド II	
18	FA5 – 3403 – 000		1	GUIDE カイヘイ ガイド	
19	FA5 – 3404 – 000		2	SUPPORT イタ バネ シダイ	
20	FA5 – 3405 – 020		2	SPRING,LEAF カアツ イタ バネ	
21	FA5 – 3406 – 000		1	ROLLER, SHAFT ジユウドウ ローラ	
22	FA9 – 2178 – 000		2	SPRING, TENSION ローラ ササエ バネ (2)	
23	FS1 – 1465 – 000		2	BUSHING ブツシング	
24	FS3 – 0076 – 000		1	GEAR, 16T 16T ギア	
25	FS3 – 2031 – 000		2	SPRING, TENSION ヒツパリ バネ	
26	FS1 – 9076 – 000		2	SCREW, STEPPED, M4 ダンビス	
27	FA5 – 3408 – 000		1	REGISTRATION GUIDE 3, FRONT ダイ 3 レジ マエ ガイド	
28	FF2 – 0430 – 000		1	PLATE, PAPER SENSING レジスト センサ バン	

FIGURE & KEY NO.		PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
310 –	29	FH7 – 7081 – 000		1	PHOTO – INTERRUPTER フオト インタ ラプタ	
	30	FA4 – 0472 – 000		1	ARM, PAPER SENSING ケンチ アーム	
	31	FA4 – 0473 – 000		1	SPRING, TORSION ネジリ バネ	
	32	FA9 – 2047 – 000		1	RUBBER, FOAM フオーム ラバー	
	33	FB1 – 5906 – 000		1	PLATE, GEAR MOUNTING 3 ダイ 3 レジシバン	
	34	FB1 – 5909 – 000		1	SPRING, TORSION ネジリ バネ	
	35	FF5 – 0952 – 000		1	PLATE, SPINDLE テンシヨナ シバン	
	36	FH7 – 5342 – 000		1	CLUTCH, ELECTROMAGNETIC DC24V デンジ クラツチ	
	37	FS5 – 0287 – 000		1	PULLEY, 32T/GEAR, 32T 32T プーリ /32T ギア	
	38	FS5 – 3155 – 000		1	PULLEY, 32T 32T プーリ	
	39	XF9 – 0377 – 000		1	BELT, TIMING, 170T タイミング ベルト	
	40	FS5 – 6150 – 000		2	FLANGE ベルト ストツパ	
	41	FS2 – 6007 – 000		1	ROLLER, TENSION テンシヨン ローラ	
	42	FS1 – 9073 – 000		1	SCREW, STEPPED, M4 ダンビス	
	43	FS1 – 1206 – 000		2	BUSHING ブツシング	
	44	WT2 – 5041 – 000		2	TIE, CABLE ソクセン バンド	
	45	XD9 – 0103 – 000		1	PIN, DOWEL ヘイコウ ピン	
	46	XD9 – 0104 – 000		1	PIN, DOWEL ヘイコウ ピン	
	47	XD9 – 0108 – 000		1	PIN, DOWEL ヘイコウ ピン	

FIGURE 311 PAPER PICK-UP ASSEMBLY 2
給紙部 (2)



10
30
9
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3
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15
V12
E58
11
5
6
16
7
17
5
18
E58
B
12
4
5
6
5
V12
13
7
13
V12
A
12
5
V08
19
V08
V08
20
V08
22
22
V12
14
E58
B
V08
V08
16
17
A
20
24
25
26
(MS4)
5
31
21
27
11
E58
23
E58
8
28
5
29
23
E58

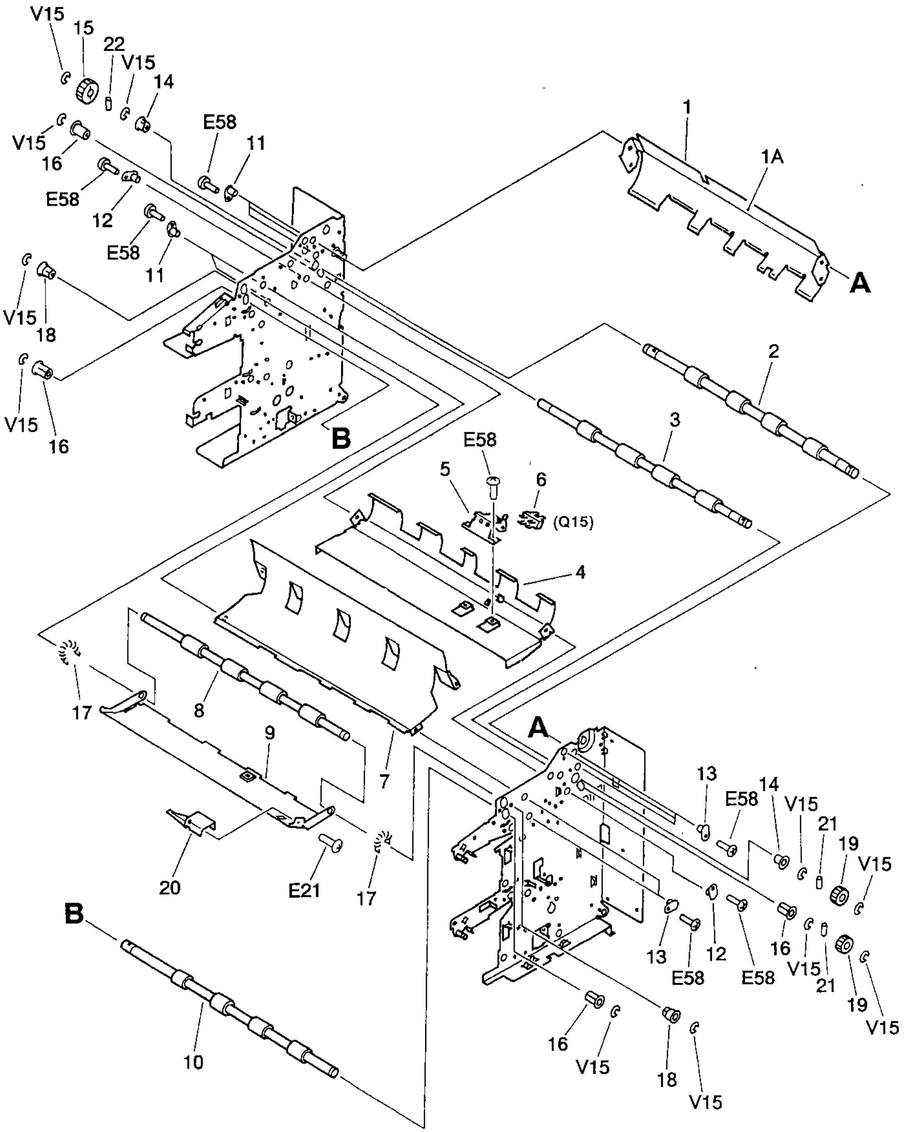
NOTE : This assembly comes with all the parts shown in Figures 310, 311, 312, 313 and 314.

注 : このユニットは、 Figure 310, 311, 312, 313 と 314 の全てのパーツで構成されています。

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
311 –	FG5 – 1210 – 110		1	PAPER PICK – UP ASSEMBLY キュウシ ブ	SEE NOTE
1	FB1 – 5915 – 000		1	DOOR, RIGHT LOWER ドア (ミギ シタ)	
2	FB1 – 5918 – 000		1	CATCH トツテ	
3	FA5 – 2888 – 020		1	SPRING, TORSION ネジリ バネ	
4	FB1 – 5916 – 000		1	HOLDER, CATCH トツテ ホルダー	
5	XD9 – 0037 – 000		11	RING, SE SE リング	
6	FA5 – 2889 – 000		2	SPRING, LEAF イタ バネ	
7	FA5 – 3409 – 000		2	GUIDE カアツ リブ	
8	FA5 – 2935 – 000		1	SPRING, TORSION ネジリ バネ	
9	FA9 – 2484 – 000		1	STOP, RIGHT LOWER DOOR ミギシタ ササエ テープ	
10	FS1 – 9076 – 000		1	SCREW, STEPPED, M4 ダンビス	
11	FF2 – 0093 – 000		2	PLATE, HINGE ヒンジ バン	
12	FF2 – 0086 – 000		2	LINK, LOWER GUIDE シタ ガイド リンク	
13	FS3 – 2015 – 000		2	SPRING, TENSION ヒツパリ バネ	
14	FA5 – 2882 – 000		1	REGISTRATION LEVER 2, FRONT ダイ 2 レジ カアツバン (マエ)	
15	FA5 – 2883 – 000		1	REGISTRATION LEVER 2, REAR ダイ 2 レジ カアツバン (ウシロ)	
16	FS3 – 2009 – 000		2	SPRING, COMPRESSION アツシユク バネ	
17	FA5 – 2884 – 000		2	ARM, LIFTING カアツ アーム	
18	FA5 – 2925 – 000		1	COVER クドウ アナ フタ	
19	FA5 – 2833 – 000		1	GUIDE, MIDDLE ガイド (ナカ)	
20	FF2 – 0085 – 000		2	LINK, MIDDLE GUIDE ナカ ガイド リンク	
21	FA5 – 2834 – 000		1	GUIDE, LOWER ガイド (シタ)	
22	FS3 – 2014 – 000		2	SPRING, TENSION ヒツパリ バネ	
23	FA4 – 1149 – 000		2	PLATE, PIN ゼツエン ピン	
24	WC4 – 0138 – 000		1	MICROSWITCH マイクロ スイツチ	
25	FA5 – 2900 – 000		1	MOUNT, MICROSWITCH スイツチ スライダ	
26	FA9 – 2120 – 000		1	SPRING, TENSION ヒツパリ バネ	
27	FA5 – 2899 – 020		1	GUIDE タカサ チヨウセイ コマ	
28	FA5 – 2901 – 000		1	ARM, PAWL セイギヨ アーム	
29	FF2 – 0082 – 050		1	SIDE PLATE, FRONT キュウシ マエ ソクバン	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
311 — 30	FF5 — 0951 — 000	N	1	SIDE PLATE, REAR キュウシ ウシロ ソクバン	
31	FA5 — 2934 — 000		1	ARM II アーム (II)	

FIGURE 312 PAPER PICK-UP ASSEMBLY 3
給紙部 (3)


V15
15
22
V15
14
V15
16
E58
12
E58
11
E58
11
V15
18
V15
16
B
1
1A
A
2
3
E58
5
6
(Q15)
4
17
8
9
7
A
13
E58
14
V15
21
19
V15
20
E21
17
B
13
E58
12
E58
16
V15
21
19
V15
10
16
V15
18
V15

NOTE 1 : This assembly comes with all the parts shown in Figures 310, 311, 312, 313 and 314.

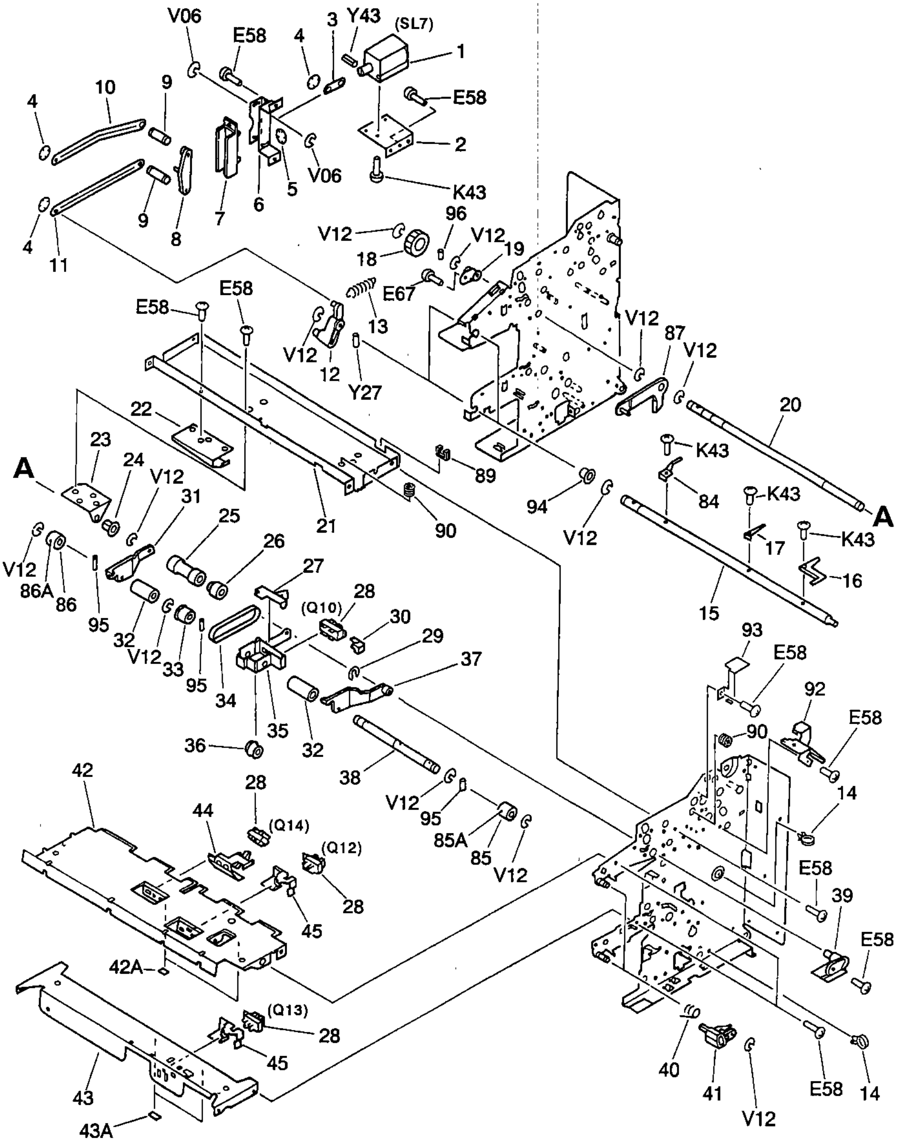
注1 : このユニットは、 Figure 310, 311, 312, 313 と 314 の全てのパーツで構成されています。

NOTE 2 : This assembly does not include the part shown with key No. 20.

注2 : このユニットに、 Key No. 20 の部品は含まれません。

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
312 –	FG5 – 1210 – 110		1	PAPER PICK – UP ASSEMBLY キュウシ ブ	SEE NOTE
1	FF2 – 0167 – 020		1	GUIDE, PAPER, OUTER ソト ガイド	
1A	FA5 – 2926 – 000		1	SHEET シート	
2	FA5 – 2840 – 000		1	REGISTRATION ROLLER 2, UPPER ダイ 2 レジスト ローラ (ウエ)	
3	FA5 – 2841 – 000		1	REGISTRATION ROLLER 2, LOWER ダイ 2 レジスト ローラ (シタ)	
4	FA5 – 2832 – 020		1	GUIDE, UPPER ガイド (ウエ)	
5	FF2 – 0087 – 000		1	MOUNT, PHOTO – INTERRUPTER, II センサ ホルダ II	
6	FH7 – 7155 – 000		1	PHOTO – INTERRUPTER フオトインタラプタ	
7	FA5 – 2827 – 020		1	PAPER GUIDE, U – SHAPED U ガイド	
8	FA5 – 2826 – 000		1	SHAFT, ROLLER, UPPER ローラ (ウエ)	
9	FA5 – 2824 – 030		1	PLATE, GUIDE, PAPER ペーパー ガイド	
10	FA5 – 2825 – 000		1	SHAFT, ROLLER, LOWER ローラ (シタ)	
11	FA3 – 9120 – 000		5	PIN GUIDE フロート ピン	
12	FA5 – 2839 – 000		2	PLATE, PIN フロート ピン	
13	FA4 – 1149 – 000		5	PLATE, PIN ゼツエン ピン	
14	FS1 – 1462 – 000		2	BUSHING ブッシング	
15	FS3 – 0026 – 000		1	GEAR, 24T 24T ギア	
16	FS2 – 1004 – 020		4	BUSHING ジク ウケ	
17	FS3 – 2063 – 000		2	SPRING, TENSION ヒッパリ バネ	
18	FS2 – 1003 – 000		2	BUSHING ブッシング	
19	FS2 – 0448 – 000		2	GEAR, 32T 32T ギア	
20	FB1 – 6137 – 000		1	HANDLE, GUIDE シンニユウ ガイド ツマミ	SEE NOTE
21	XD9 – 0103 – 000		2	PIN, DOWEL ヘイコウ ピン	
22	XD9 – 0108 – 000		1	PIN, DOWEL ヘイコウ ピン	

FIGURE 313 PAPER PICK-UP ASSEMBLY 4 (1/3)
給紙部 (4) (1/3)


V06
E58
4
3
Y43
(SL7)
1
E58
2
10
9
4
K43
5
V06
6
7
9
8
4
11
96
V12
V12
19
18
E58
E58
E67
13
V12
12
Y27
V12
87
V12
20
22
23
24
A
V12
31
89
K43
84
K43
94
V12
A
21
90
25
26
V12
86A
86
95
27
28
(Q10)
30
17
K43
16
15
32
V12
33
95
34
35
29
37
93
E58
92
36
32
E58
90
42
28
38
V12
95
14
44
(Q14)
85A
85
V12
(Q12)
28
45
E58
39
E58
42A
(Q13)
28
45
40
41
E58
14
V12
43
43A

NOTE : This assembly comes with all the parts shown in Figures 310, 311, 312, 313 and 314.

注 : このユニットは、 Figure 310, 311, 312, 313 と 314 の全てのパーツで構成されています。

FIGURE 313 PAPER PICK-UP ASSMBLY 4 (2/3)
給紙部 (4) (2/3)

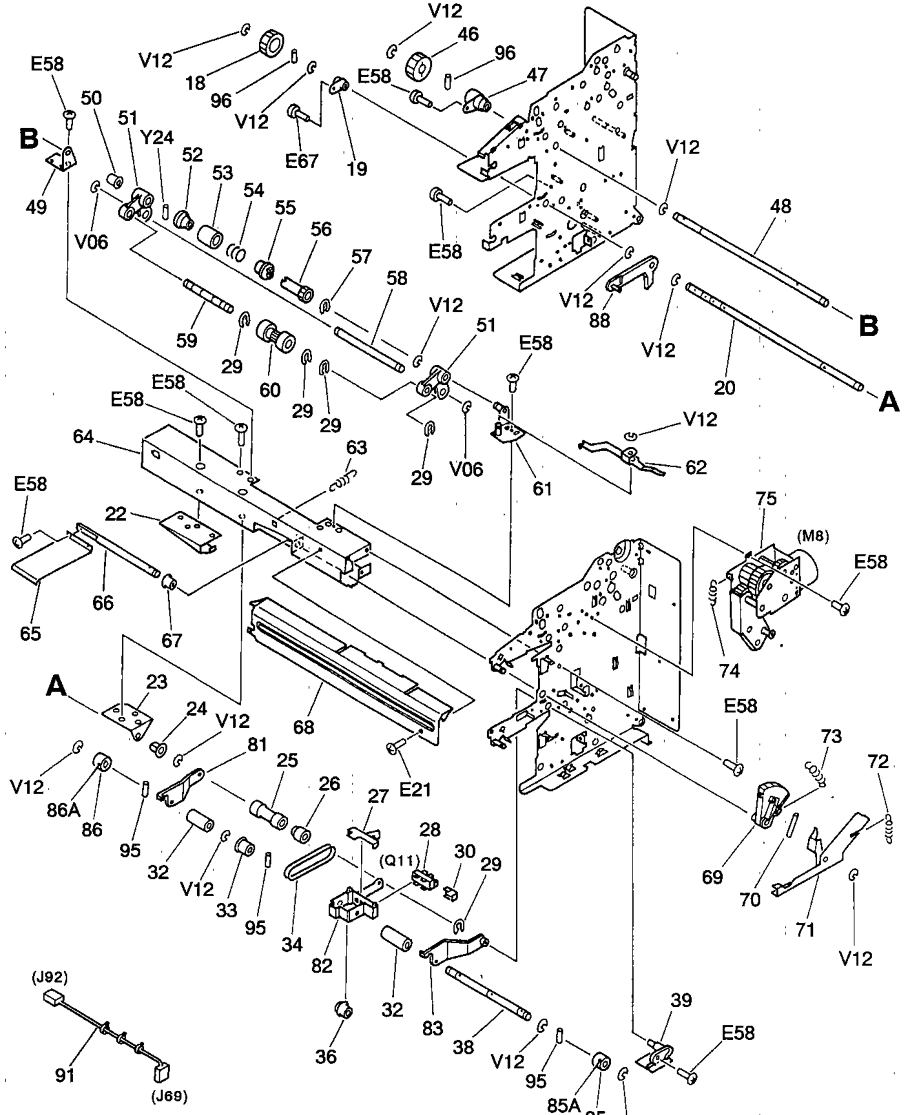

V12
46
96
47
E58
V12
18
96
V12
E58
E67
19
50
51
Y24
52
53
54
55
56
57
58
B
49
V06
V12
48
E58
V12
88
59
29
60
29
29
V12
51
E58
V12
20
B
A
E58
E58
64
63
V12
29
V06
61
62
E58
22
75
(M8)
E58
66
65
67
74
68
A
23
24
V12
81
E58
73
72
V12
86A
86
95
25
32
V12
33
95
26
27
E21
28
(Q11)
30
29
34
82
69
70
71
V12
(J92)
91
(J69)
36
32
83
38
V12
95
85A
85
V12
39
E58

FIGURE 313 PAPER PICK-UP ASSEMBLY 4 (3/3)
給紙部 (4) (3/3)

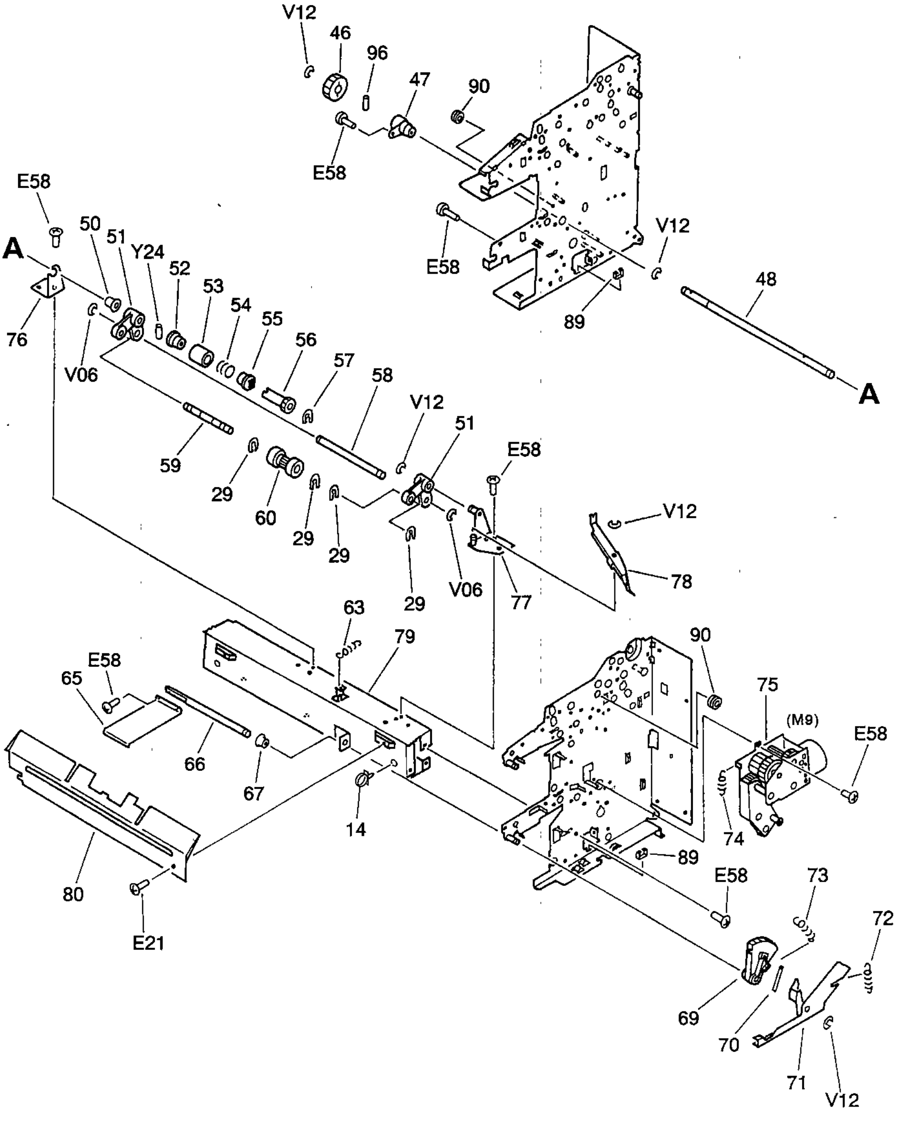

V12
46
96
47
90
E58
E58
A
50
51
Y24
52
53
54
55
56
57
58
76
V06
E58
V12
89
48
A
59
29
60
29
29
V12
51
E58
V12
29
V06
77
78
63
79
E58
65
66
67
14
80
E21
90
75
(M9)
E58
74
89
E58
73
72
69
70
71
V12

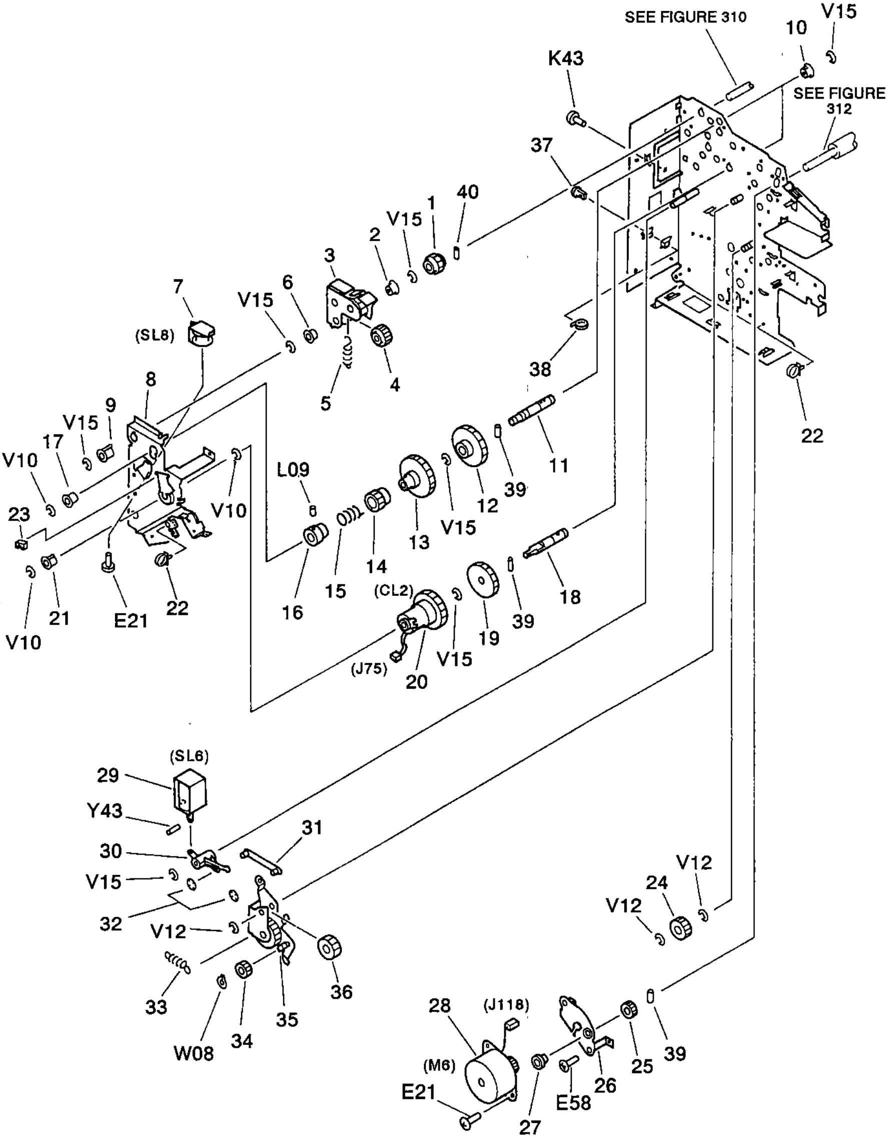
FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
313 –	FG5 – 1210 – 110		1	PAPER PICK – UP ASSEMBLY キュウシ ブ	SEE NOTE
1	FH7 – 5030 – 030		1	SOLENOID, DC24V ソレノイド	
2	FA5 – 2912 – 000		1	PLATE, SELECT センタク キバン	
3	FA5 – 2916 – 000		1	ARM, LINK ソレノイド リンク	
4	XD9 – 0037 – 000		3	RING, SE SE リング	
5	XA9 – 0135 – 000		2	NUT, PUSH プッシュ ナット	
6	FA5 – 2913 – 000		1	GUIDE, SLIDE スライド ガイド	
7	FA5 – 2914 – 000		1	SLIDER スライダ	
8	FA5 – 2915 – 000		1	ARM, LINK センター リンク	
9	FA5 – 2919 – 000		2	SHAFT センタク リスク ジク	
10	FA5 – 2917 – 000		1	ARM, LINK, UPPER ウエ リンク	
11	FA5 – 2918 – 000		1	ARM, LINK, LOWER シタ リンク	
12	FA5 – 2873 – 000		2	ARM,REL., PICK – UP ROLLER, REAR キュウシ ローラ カイジョアーム(ウシロ)	
13	FS3 – 2011 – 000		2	SPRING, TENSION ヒツパリ バネ	
14	WT2 – 5041 – 000		13	TIE, CABLE ソクセン バンド	
15	FA5 – 2871 – 000		2	SHAFT, RELEASE, PICK – UP ROLLER キュウシ ローラ カイジョ ジク	
16	FA5 – 2874 – 000		2	PLATE,REL.,PICK – UP ROL., FRONT キュウシ ローラ カイジョ バン(マエ)	
17	FA5 – 2875 – 000		2	PLATE,REL., PICK – UP ROL., REAR キュウシ ローラ カイジョバン(ウシロ)	
18	FS3 – 0029 – 000		2	GEAR, 27T 27T ギア	
19	FS2 – 1006 – 000		2	BUSHING ジク ウケ	
20	FA5 – 2848 – 000		2	SHAFT, FEED ROLLER ハンソウ ローラ ジク	
21	FA5 – 2818 – 020		1	BASE, CASSETTE HOLDER, UPPER ステー (ウエ)	
22	FA5 – 2844 – 000		2	GUIDE PLATE, REAR ガイド (オク)	
23	FA5 – 2847 – 000		2	PLATE, FEED ROLLER ハンソウ ローラ ジク シバン	
24	FS2 – 1005 – 000		2	BUSHING ブッシング	
25	FA5 – 2933 – 020		2	ROLLER, FEEDER ハンソウ ローラ	
26	FS2 – 3003 – 000		2	PULLEY, ONE WAY ワンウエイ プーリ	
27	FA5 – 2853 – 000		2	ARM, PAPER SENSING カミ ケンチ アーム	
28	FH7 – 7155 – 000		5	PHOTO – INTERRUPTER フオトインタラプタ	
29	FA9 – 2184 – 000		10	RETAINING RING ジュシ キンテイ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
313 – 30	FA5 – 2921 – 020		2	GUIDE コネクタ ガイド	
31	FA5 – 2851 – 000		1	ARM,PICK – UP ROLLER, UPPER REAR キユウシ ローラ アーム (ウエ ウシロ)	
32	FS2 – 6001 – 000		4	SPACER, WEIGHT ウエイト カラー	
33	FS2 – 3004 – 000		2	PULLEY, PICK – UP ROLLER キユウシ プーリ	
34	XF9 – 0094 – 000		2	BELT, TIMING, 63T タイミング ベルト	
35	FA5 – 2852 – 000		1	GUIDE, PAPER SENSING, UPPER カミ ケンチ ガイド (ウエ)	
36	FS2 – 6003 – 000		2	ROLLER ケンチ コロ	
37	FA5 – 2850 – 000		1	ARM,PICK – UP ROLLER,UPPER FRONT キユウシ ローラ アーム (ウエ マエ)	
38	FA5 – 2849 – 000		2	SHAFT, PICK – UP ROLLER キユウシ ローラ ジク	
39	FA5 – 2922 – 000		2	SHAFT, A A シジク	
40	FB1 – 5912 – 000		2	SPRING, TORSION ネジリ バネ	
41	FA5 – 2872 – 000		2	ARM,REL.,PICK – UP ROLLER, FRONT キユウシ ローラ カイジヨ アーム (マエ)	
42	FF9 – 1094 – 060		1	CROSSMEMBER, GUIDE ガイド ステー	
42A	FA5 – 2931 – 000		2	PAD パッド	
43	FF9 – 1093 – 050		1	PLATE, SENSOR MOUNTING, LOWER センサ キダイ (シタ)	
43A	FA5 – 2931 – 000		2	PAD パッド	
44	FF2 – 0084 – 000		1	MOUNT, PHOTO – INTERRUPTER センサ ホルダ	
45	FA5 – 2856 – 020		2	GUIDE, SENSOR センサ ガイド	
46	FS3 – 0101 – 000		2	GEAR, 26T 26T ギア	
47	FS2 – 1007 – 000		2	BUSHING ジク ウケ	
48	FA5 – 2863 – 000		2	SHAFT 2, SEPARATION ROLLER ブンリ ローラ ジク 2	
49	FA5 – 2845 – 000		1	PLATE, SEP.ROLLER, REAR, UPPER ウエ ブンリ ジク シバン (ウシロ)	
50	FS1 – 1190 – 000		2	BUSHING ブッシング	
51	FA5 – 2868 – 000		4	ARM, SEPARATION ROLLER ブンリ ローラ アーム	
52	FA5 – 2865 – 000		2	DRUM, CLUTCH DRIVEN ニユウリヨク ドラム	
53	FA3 – 8730 – 000		2	RING, CLUTCH ACTION クラッチ ケース	
54	FS3 – 2008 – 000		2	SPRING, TORSION ネジリ バネ	
55	FA3 – 8729 – 000		2	DRUM, CLUTCH DRIVING クラッチ ドラム	
56	FS3 – 0023 – 000		2	GEAR, 27T 27T ギア	
57	FA5 – 2864 – 020		2	RETAINING, RING トメワ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
313 – 58	FA5 – 2857 – 000		2	SHAFT ブンリ ローラ カウンタ ジク	
59	FA5 – 2866 – 000		2	SHAFT 1, SEPARATION ROLLER ブンリ ローラ ジク 1	
60	FA5 – 2867 – 000		2	ROLLER, SEPARATION ブンリ ローラ	
61	FF2 – 0088 – 000		1	PLATE, SEP.ROLLER, FRONT,UPPER ウエ ブンリ ジク シバン (マエ)	
62	FA5 – 2869 – 000		1	PLATE,RELEASE,SEP.ROLLER,UPPER ブンリ ローラ カイジヨ バン (ウエ)	
63	FS3 – 2012 – 000		2	SPRING, TENSION ヒツパリ バネ	
64	FA5 – 2819 – 030		1	BASE, CASSETTE HOLDER, MIDDLE ステー (ナカ)	
65	FA5 – 2878 – 000		2	PLATE, LIFTING カアツ バン	
66	FA5 – 2877 – 000		2	SHAFT カアツ ジク	
67	FS2 – 1008 – 000		2	BUSHING ブッシング	
68	FA5 – 2837 – 000		1	GUIDE, ENTRY, UPPER シンニユウ ガイド (ウエ)	
69	FA5 – 2880 – 000		2	GEAR, SECTOR オウギ ガタ ギア	
70	FA5 – 2924 – 000		2	PIN,DOWEL ヘイコウ ピン	
71	FA5 – 2879 – 000		2	PLATE, RELEASE, LIFTING カアツ カイジヨ バン	
72	FA9 – 2610 – 000		2	SPRING ヒツパリ バネ	
73	FS1 – 2707 – 000		2	SPRING, TENSION ヒツパリ バネ	
74	FA9 – 2609 – 000		2	SPRING,TENSION ヒツパリ バネ	
75	FH7 – 1584 – 000		2	MOTOR, GEARD, DC24V DC ギヤード モータ	
76	FA5 – 2858 – 000		1	PLATE, SEP.ROLLER, REAR, LOWER シタ ブンリ ジク シバン (ウシロ)	
77	FF2 – 0089 – 000		1	PLATE, SEP.ROLLER, FRONT,LOWER シタ ブンリ ジク シバン (マエ)	
78	FA5 – 2870 – 000		1	PLATE,RELEASE,SEP.ROLLER,LOWER ブンリ ローラ カイジヨ バン (シタ)	
79	FA5 – 2820 – 020		1	BASE, CASSETTE HOLDER, LOWER ステー (シタ)	
80	FA5 – 2838 – 020		1	GUIDE, ENTRY, LOWER シンニユウ ガイド (シタ)	
81	FA5 – 2862 – 000		1	ARM,PICK – UP ROLLER, LOWER REAR キユウシ ローラ アーム (シタ ウシロ)	
82	FA5 – 2860 – 000		1	GUIDE, PAPER SENSING, LOWER カミ ケンチ ガイド (シタ)	
83	FA5 – 2861 – 000		1	ARM,PICK – UP ROLLER,LOWER FRONT キユウシ ローラ アーム (シタ マエ)	
84	FA5 – 2930 – 000		2	ARM, RELEASE オク カイジヨ アーム	
85	FF9 – 1003 – 000		2	ROLLER A, 1 A ローラ (1)	
85A	FA5 – 2854 – 020		1	ROLLER, PICK – UP, RUBBER キユウシ ローラ ゴム	
86	FF9 – 1113 – 000		2	ROLLER, PICK – UP, REAR, SILVER キユウシ ローラ (ウシロ) (ギン)	

FIGURE & KEY NO.		PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
313 –	86A	FA5 – 2854 – 020		1	ROLLER, PICK – UP, RUBBER キユウシ ローラ ゴム	
	87	FA5 – 2927 – 000		1	ARM, RELEASE, UPPER, REAR オク カイジヨ アーム (ウエ)	
	88	FA5 – 2928 – 000		1	ARM, RELEASE, LOWER, REAR オク カイジヨ アーム (シタ)	
	89	WT2 – 5011 – 000		6	CLIP, CABLE エツジ サドル	
	90	WT2 – 5034 – 000		4	BUSHING ブツシング	
	91	FF2 – 5890 – 000		1	CABLE, PAPER SIZE SENSING ペーパ サイズ ケンチ ケーブル	
	92	FB1 – 5910 – 000		1	MOUNT, CORD CLAMP マエ ソクバン ブリツジ	
	93	FA5 – 3288 – 000		1	COVER, CORD コード カバー	
	94	FS1 – 1206 – 000		2	BUSHING ブツシング	
	95	XD9 – 0103 – 000		6	PIN, DOWEL ヘイコウ ピン	
	96	XD9 – 0104 – 000		4	PIN, DOWEL ヘイコウ ピン	

FIGURE 314 PAPER PICK-UP ASSEMBLY 5
給紙部 (5)


SEE FIGURE 310
V15
10
K43
SEE FIGURE 312
37
40
1
V15
2
3
6
V15
7
(SL8)
8
9
V15
17
V10
23
V10
5
4
38
22
11
39
12
L09
13
V15
14
15
16
(CL2)
21
E21
22
V10
18
39
19
V15
20
(J75)
(SL6)
29
Y43
30
31
V15
32
V12
33
34
35
36
W08
V12
24
V12
28
(J118)
(M6)
E21
27
E58
26
25
39

NOTE : This assembly comes with all the parts shown in Figures 310, 311, 312, 313 and 314.

注 ： このユニットは、 Figure 310, 311, 312, 313 と 314 の全てのパーツで構成されています。

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
314 –	FG5 – 1210 – 110		1	PAPER PICK – UP ASSEMBLY キュウシ ブ	SEE NOTE
1	FS3 – 0026 – 000		1	GEAR, 24T 24T ギア	
2	XG3 – 8012 – 355		1	BEARING, BALL ボール ベアリング	
3	FF2 – 0090 – 000		1	GEAR UNIT, 25T/25T ニユウリヨク ヨウドウ バン	
4	FS1 – 0679 – 000		1	GEAR, 24T 24T ギア	
5	FS1 – 2708 – 000		1	SPRING, TENSION ヒツパリ バネ	
6	XG3 – 8016 – 505		1	BEARING, BALL ボール ベアリング	
7	FH7 – 5154 – 000		1	SOLENOID, DC24V ソレノイド	
8	FA5 – 2906 – 020		1	MOUNT, SHAFT, UPPER クドウ ウワイタ	
9	FS1 – 1462 – 000		1	BUSHING ブッシング	
10	FS1 – 1449 – 000		3	BUSHING ブツシング	
11	FA5 – 2903 – 000		1	SHAFT, CRUTCH クラツチ ジク	
12	FS3 – 0025 – 000		1	GEAR, 49T 49T ギア	
13	FS3 – 0024 – 000		1	GEAR, 49T 49T ギア	
14	FA5 – 2905 – 000		1	RING, RATCHET セイギヨカン	
15	FS3 – 2010 – 000		1	SPRING, TORSION ネジリ バネ	
16	FA5 – 2904 – 000		1	DRUM, CRUTCH クラツチ ドラム	
17	FS1 – 1257 – 000		1	BUSHING ブツシング	
18	FA5 – 2932 – 000		1	SHAFT, CLUTCH, II クラツチ ジク (II)	
19	FS3 – 0028 – 000		1	GEAR, 43T 43T ギア	
20	FH7 – 5156 – 000		1	ELECTROMAGNETIC CLUTCH, DC24V デンジ クラツチ	
21	FS1 – 1446 – 000		1	BUSHING ブツシング	
22	WT2 – 5041 – 000		11	TIE, CABLE ソクセン バンド	
23	WT2 – 5011 – 000		1	CLIP, CABLE エツジ サドル	
24	FS3 – 0101 – 000		1	GEAR, 26T 26T ギア	
25	FS3 – 0031 – 000		1	GEAR, 28T 28T ギア	
26	FA5 – 2881 – 000		1	MOUNT, MOTOR モータ シバン	
27	FS2 – 1009 – 000		1	BUSHING ジク ウケ	
28	FH7 – 1774 – 000		1	MOTOR, STEPPING, DC24V ステツピング モータ	
29	FH7 – 5030 – 030		1	SOLENOID, DC24V ソレノイド	

FIGURE & KEY NO.		PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
314 –	30	FA5 – 2911 – 000		1	ARM, SOLENOID キリカエ ソレノイド アーム	
	31	FA5 – 2909 – 000		1	ARM キリカエ ヨウドウ バン	
	32	XD9 – 0037 – 000		2	RING, SE SE リング	
	33	FS3 – 2013 – 000		1	SPRING, TENSION ヒッパリ バネ	
	34	FS3 – 0032 – 000		1	GEAR, 15T 15T ギア	
	35	FF2 – 0091 – 000		1	GEAR UNIT, 26T キリカエ ヨウドウ バン	
	36	FS3 – 0030 – 000		1	GEAR, 22T 22T ギア	
	37	WT2 – 0403 – 000		2	RETAINER, CORD コード ロック	
	38	WT2 – 0030 – 000		2	TIE, CABLE ソクセン バンド	
	39	XD9 – 0104 – 000		3	PIN, DOWEL ヘイコウ ピン	
	40	XD9 – 0108 – 000		1	PIN, DOWEL ヘイコウ ピン	

FIGURE 325 MANUAL FEED GUIDE ASSEMBLY
手差しガイド部

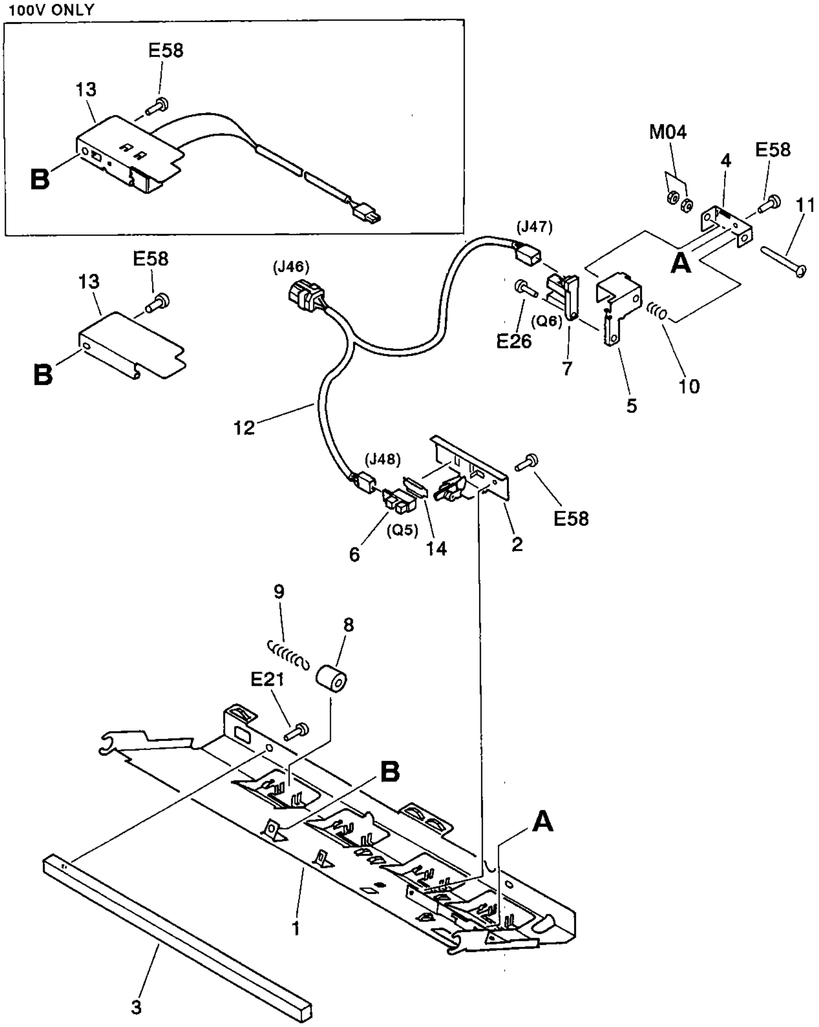

100V ONLY
E58
13
B
M04
4
E58
11
(J47)
A
E58
13
(J46)
E26
(Q6)
7
5
10
B
12
(J48)
E58
(Q5)
6
14
2
9
8
E21
B
A
1
3

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
325 –	FG5 – 1341 – 000		1	MANUAL FEED GUIDE ASSEMBLY テザシ ガイド ブ	P
	FG5 – 1351 – 000		1	MANUAL FEED GUIDE ASSEMBLY テザシ ガイド ブ	L
	FG5 – 1352 – 000		1	MANUAL FEED GUIDE ASSEMBLY テザシ ガイド ブ	N, Q, R, S, T, U
1	FF2 – 0094 – 030		1	GUIDE, PAPER, UPPER テザシ ウエ ガイド	
2	FF2 – 0095 – 040		1	MOUNT, SENSOR レジスト マエ センサ シバン	
3	FA5 – 2946 – 000		1	SHAFT, WEIGHT ウエイト バー	
4	FA5 – 2947 – 000		1	MOUNT, SENSOR センサ キバン	
5	FA5 – 2948 – 000		1	HOLDER, SENSOR センサ ホルダ	
6	FH7 – 7155 – 000		1	PHOTO – INTERRUPTER フオトインタラプタ	
7	FH7 – 7196 – 020		1	PHOTO – INTERRUPTER フオトインタラプタ	N, P, Q, R, S, T, U
	FH7 – 7224 – 000		1	PHOTO – INTERRUPTER フオトインタラプタ	L
8	FS2 – 6002 – 000		4	ROLLER コロ	
9	FS3 – 2016 – 000		4	SPRING, TENSION ヒツパリ バネ	
10	FS3 – 2017 – 000		1	SPRING, COMPRESSION アツシユク バネ	
11	XB1 – 2405 – 009		1	SCREW,MACH.,TRUSS HEAD,M4X50 バインド ネジ	
12	FF2 – 6942 – 000		1	CABLE, MANUAL FEED GUIDE ASS'Y テザシ ガイド ソクセン	
13	FF2 – 4556 – 000		1	CABLE ドラム ヒータ ソクセン	P
	FF2 – 6941 – 000		1	CABLE, DRUM HEATER UNIT ドラム ヒータ ユニツト ソクセン	L
14	FA5 – 2949 – 000		1	SHEET, INSULATION ゼツエン シート	

FIGURE 330 FEEDER ASSEMBLY
搬送部

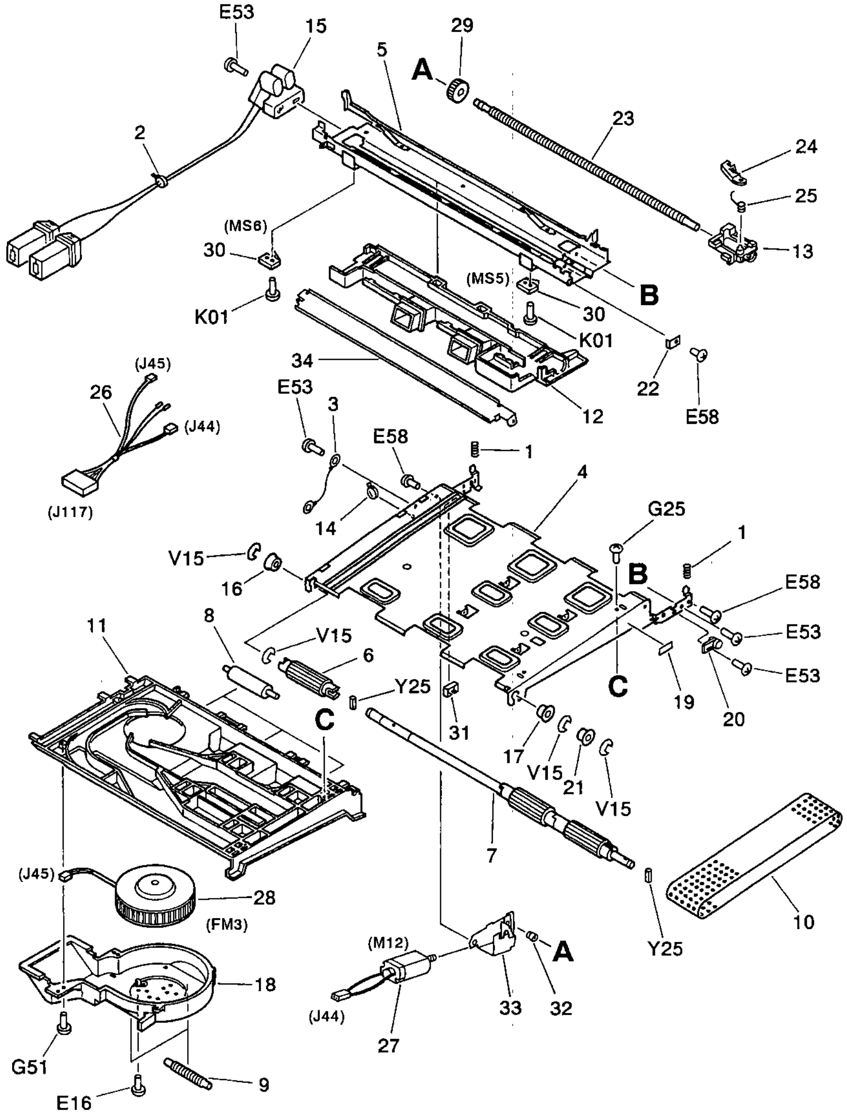
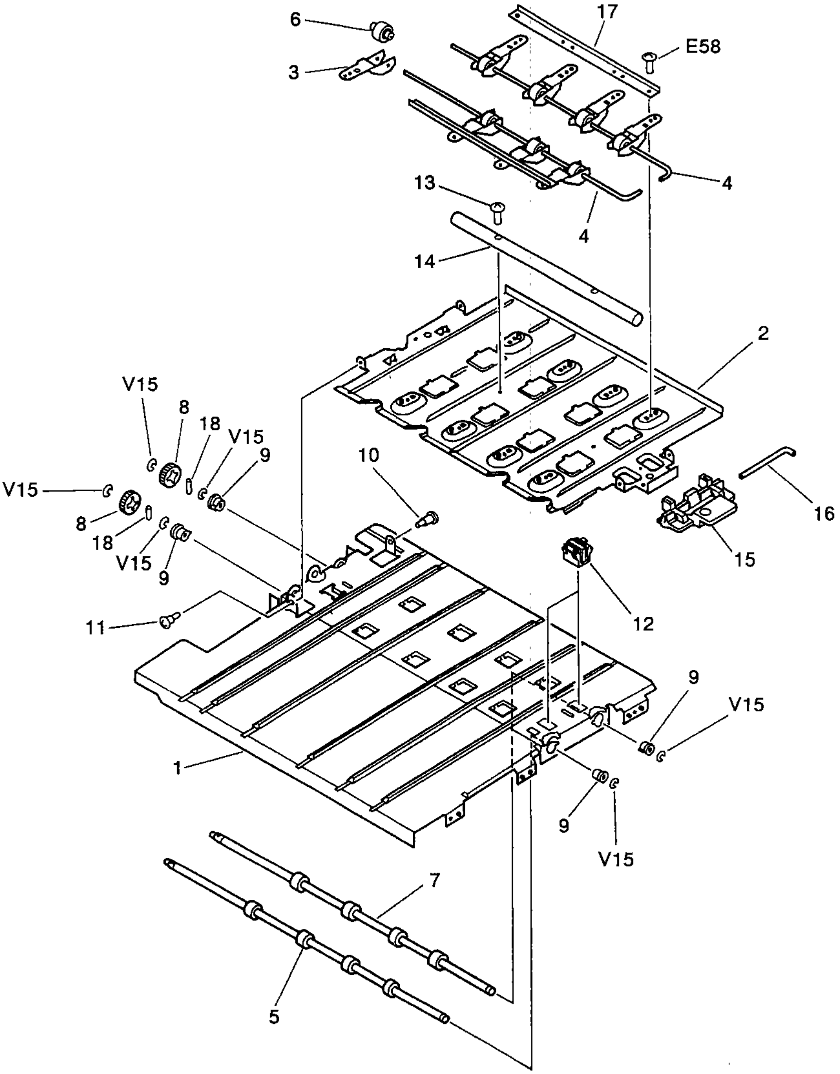

E53
15
29
5
A
23
24
25
13
2
(MS6)
30
K01
(MS5)
B
30
K01
22
E58
34
12
(J45)
26
(J44)
(J117)
E53
3
E58
1
4
14
G25
1
V15
16
B
E58
E53
E53
11
8
V15
6
Y25
C
C
19
20
31
17
V15
21
V15
7
(J45)
28
(FM3)
10
Y25
(M12)
A
18
33
32
(J44)
27
G51
9
E16

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
330 –	FG5 – 1203 – 030		1	FEEDER ASSEMBLY ハンソウ ブ	
1	FS3 – 2029 – 000		2	SPRING, COMPRESSION アツシユク バネ	
2	WT2 – 0030 – 000		1	TIE, CABLE ソクセン バンド	
3	FF2 – 6943 – 000		1	CORD, GROUNDING アース コード	
4	FB1 – 5848 – 000		1	PLATE, GUIDE ハンソウ ガイド	
5	FF5 – 0931 – 000	N	1	PLATE, FRAME ハンソウ ステー	
6	FA5 – 2618 – 000		3	ROLLER, DRIVE クドウ ローラ	
7	FA5 – 2619 – 000		1	SHAFT, DRIVE クドウ ジク	
8	FA5 – 2620 – 000		3	ROLLER, DRIVEN ジユウドウ コロ	
9	FA5 – 1896 – 000		2	PULLEY アイドラ プーリ	
10	FA5 – 2622 – 000		3	BELT ハンソウ ベルト	
11	FB1 – 5851 – 000		1	DUCT, FEEDER ハンソウ ダクト	
12	FB1 – 5852 – 000		1	DUCT ダクト	
13	FB1 – 5854 – 000		1	BLOCK コマ	
14	WT2 – 5041 – 000		1	TIE, CABLE ソクセン バンド	
15	FH2 – 9092 – 000		1	CORD, HI – VOLTAGE コウアツ コード	
16	FS1 – 1202 – 000		1	BUSHING ブツシング	
17	FS1 – 1462 – 000		1	BUSHING ブッシング	
18	FB1 – 5850 – 000		1	CASE, FAN フアン ケース	
19	FS2 – 8614 – 000		1	LABEL, "WARNING,HIGH VOLTAGE" コウアツ チユウイ メイハン	220/240V
	FS8 – 8194 – 000		1	LABEL, WARNING コネクタ チユウイ ラベル	115V
20	FB1 – 5856 – 000		1	BUSHING スクリユ ササエ	
21	FA9 – 2112 – 000		1	BUSHING ブツシング	
22	FB1 – 5860 – 000		1	PLATE, LOCK コテイ バン	
23	FB1 – 6018 – 000		1	FEEDSCREW, CLEANER クドウ スクリユ	
24	FB1 – 6015 – 000		1	PLATE, CAM カム プレート	
25	FB1 – 6021 – 000		1	SPRING, TORSION ネジリ バネ	
26	FF2 – 4535 – 000		1	CABLE, FEEDER ハンソウ ソクセン	
27	FH7 – 1763 – 000		1	MOTOR, DC12V モータ	
28	FH7 – 1764 – 000		1	FAN, DC24V フアン モータ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
330 – 29	FS3 – 0812 – 000		1	GEAR, 18T 18T ギア	
30	WC4 – 0138 – 000		2	MICROSWITCH マイクロ スイッチ	
31	WT2 – 5056 – 000		1	CLIP, CORD コード オサエ	
32	FB1 – 5758 – 000		1	BUSHING ブッシング	
33	FB1 – 5861 – 000		1	MOUNT, MOTOR モータ シダイ	
34	FB1 – 5862 – 000		1	PLATE, REINFORCEMENT ホキョウバン	

FIGURE 331 LOWER FEEDER ASSEMBLY
下搬送部


6
17
E58
3
4
13
4
14
2
V15
8
18
V15
9
10
V15
8
18
V15
9
16
15
11
12
9
V15
1
9
V15
7
5

NOTE : This assembly does not include the parts shown with key No. 15 and 16.

注 ： このユニットに、 Key No. 15, 16 の部品は含まれません。

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
331 –	FG5 – 1222 – 000	N	1	LOWER FEEDER ASSEMBLY シタ ハンソウ ブ	
1	FF5 – 0969 – 000	N	1	PAPER GUIDE, LOWER ハンソウ シタ ガイド	
2	FF5 – 0967 – 000	N	1	PAPER GUIDE, UPPER ハンソウ ウエ ガイド	
3	FA5 – 3073 – 000		8	HOLDER, ROLLER ハンソウ コロ ササエ イタ	
4	FA5 – 3075 – 020		2	ROD ハンソウ コロ ジク	
5	FA5 – 3076 – 000		1	ROLLER, FEEDER, 1 ハンソウ ローラ 1	
6	FA5 – 3077 – 000		8	ROLLER ハンソウ コロ	
7	FA5 – 3078 – 000		1	ROLLER, FEEDER ハンソウ ローラ	
8	FS1 – 0542 – 000		2	GEAR, 22T 22T ギア	
9	FS1 – 1462 – 000		4	BUSHING ブッシング	
10	FS1 – 9004 – 000		1	SCREW, STEPPED, M4 ダンビス	
11	FS1 – 9076 – 000		1	SCREW, STEPPED, M4 ダンビス	
12	FB1 – 5985 – 000		2	LATCH, MAGNET – ACTION, CATCH マグネット キャッチ	
13	XB1 – 2401 – 509		2	SCREW,MACH.,TRUSS HEAD,M4X15 バインド ネジ	
14	FB1 – 5978 – 000		1	WEIGHT ウエイト	
15	FB1 – 6126 – 000		1	HANDLE シタ ハンソウ トッテ	SEE NOTE
16	FA5 – 3022 – 000		1	ROD カイテン ジク	SEE NOTE
17	FB1 – 6450 – 000		2	PLATE ガイド ステー	
18	XD9 – 0108 – 000		2	PIN, DOWEL ヘイコウ ピン	

FIGURE 332 LOWER FEEDER INLET ASSEMBLY
下搬送入口部

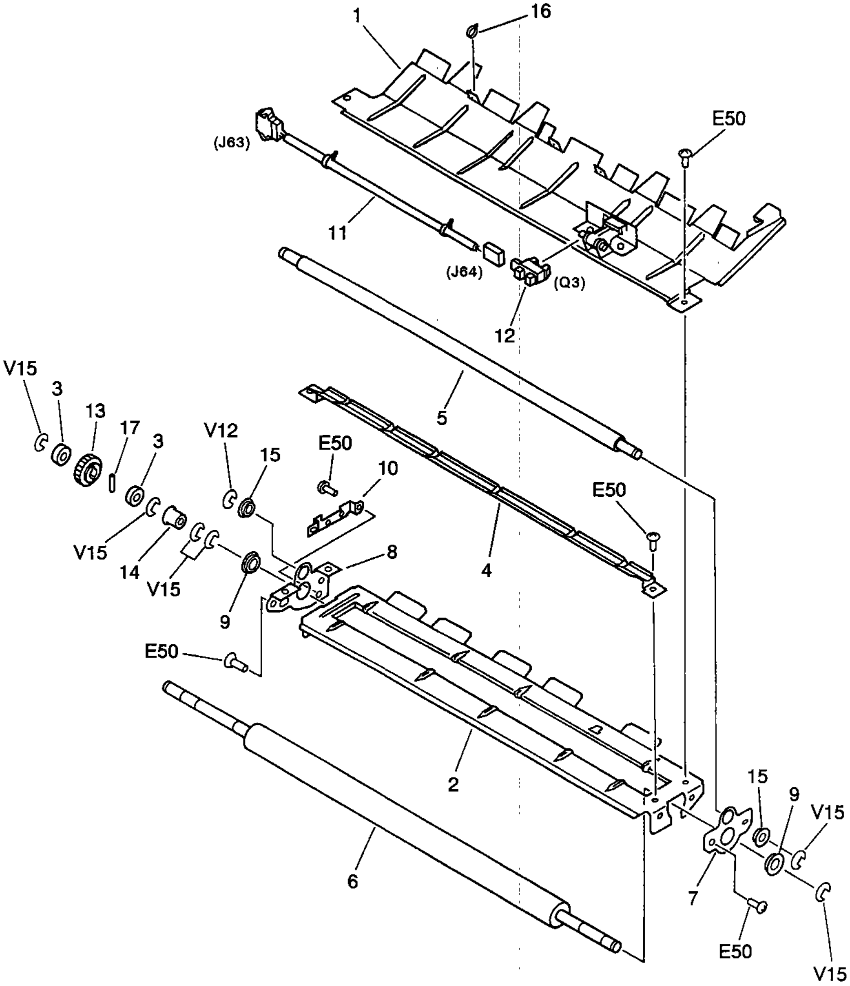

1
16
E50
(J63)
11
(J64)
(Q3)
12
V15
3
13
17
3
V12
15
E50
10
5
E50
V15
14
V15
8
4
9
E50
2
15
9
V15
6
7
E50
V15

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
332 –	FG5 – 1221 – 040	N	1	LOWER FEEDER INLET ASSEMBLY シタ ハンソウ イリグチ ブ	
1	FF5 – 0965 – 000		1	PLATE, UPPER GUIDE イリグチ ウエ ガイド	
2	FF5 – 0966 – 000		1	PLATE, LOWER GUIDE イリグチ シタ ガイド	
3	FS5 – 6151 – 000		2	ROLLER, A ツキアテ コロ (A)	
4	FB1 – 5972 – 000		1	PLATE, UPPER GUIDE B イリグチ ウエ ガイド (B)	
5	FB1 – 5974 – 020		1	ROLLER SHAFT, FEEDER, UPPER シタ ハンソウ ローラ (ウエ)	
6	FB1 – 5975 – 030		1	ROLLER SHAFT, FEEDER, LOWER シタ ハンソウ ローラ (シタ)	
7	FB1 – 5976 – 000		1	PLATE, ROLLER HOLDING, FRONT ローラ シバン (マエ)	
8	FB1 – 5981 – 000		1	PLATE, ROLLER HOLDING, REAR ローラ シバン (ウシロ)	
9	XG9 – 0258 – 000		2	BEARING ベアリング	
10	FB1 – 5982 – 000		1	PLATE, GUIDE コード ガイド	
11	FF9 – 0974 – 000		1	CABLE ハンソウ ソクセン	
12	FH7 – 7155 – 000		1	PHOTO – INTERRUPTER フオトインタラプタ	
13	FS2 – 0439 – 000		1	GEAR, 22T 22T ギア	
14	FS2 – 1010 – 000		1	BUSHING ブッシング	
15	XG9 – 0243 – 000		2	BEARING ベアリング	
16	WT2 – 5041 – 000		5	TIE, CABLE ソクセン バンド	
17	XD9 – 0104 – 000		1	PIN, DOWEL ヘイコウ ピン	

FIGURE 333 FEEDER RELEASE HANDLE ASSEMBLY
搬送解除把手部

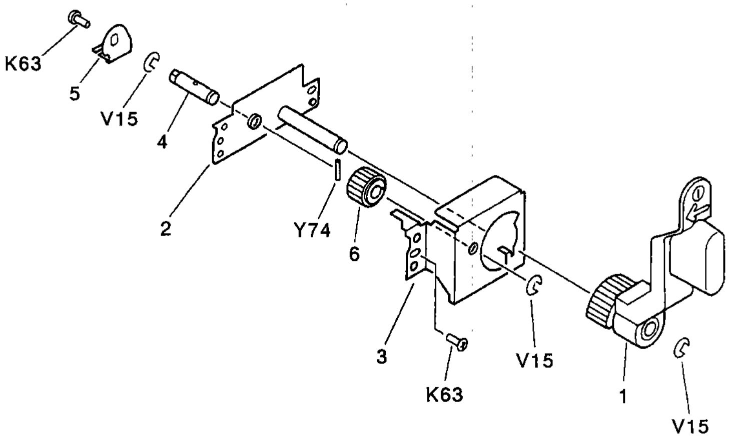
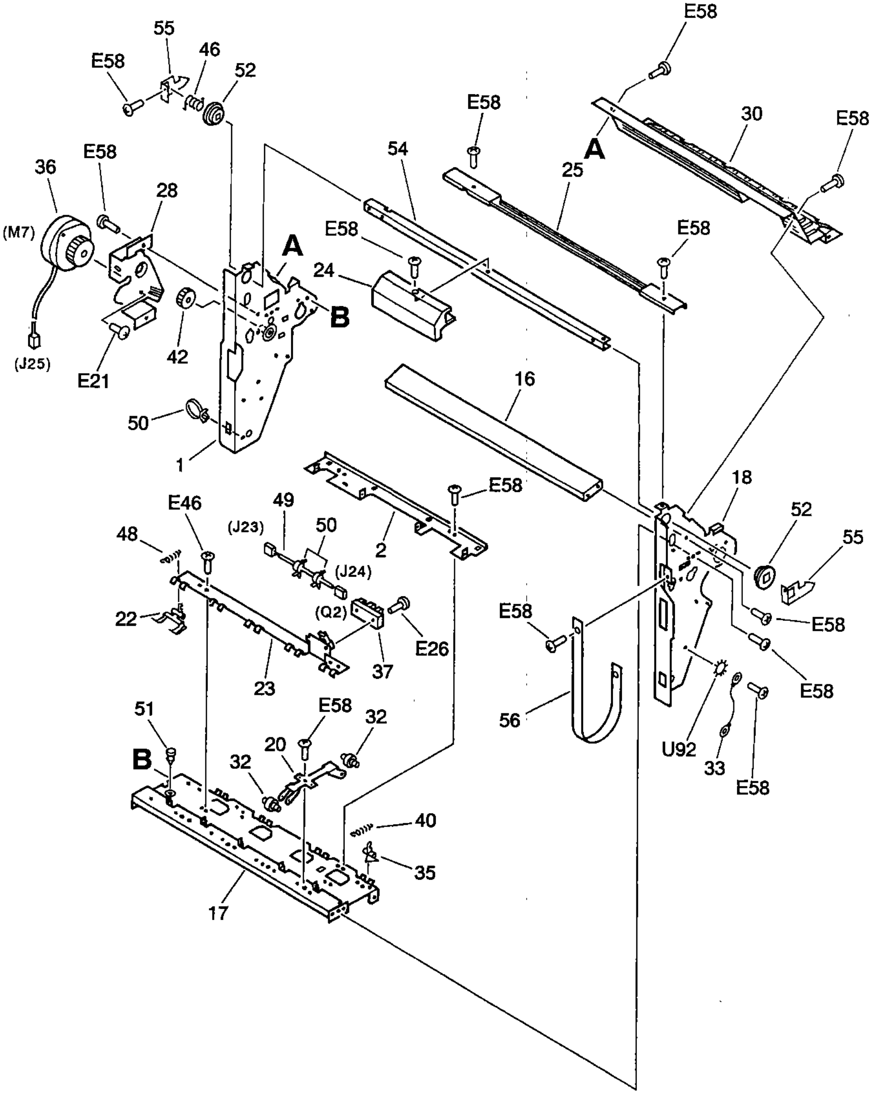


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
333 –	FG5 – 1205 – 000	N	1	FEEDER RELEASE HANDLE ASSEMBLY ハンソウ カイジョ トッテ ブ	
1	FB1 – 5883 – 000		1	HANDLE トッテ	
2	FF2 – 0110 – 000	N	1	MOUNT, HANDLE, LOWER ハンソウカアツ トッテ ダイ (シタ)	
3	FB1 – 5884 – 000		1	PLATE, UPPER ウエ イタ	
4	FA5 – 2652 – 000		1	SHAFT, GEAR ギア ジク	
5	FA5 – 2654 – 000		1	HOOK, SPRING バネ カケ	
6	FS3 – 0046 – 000		1	GEAR, 20T 20T ギア	

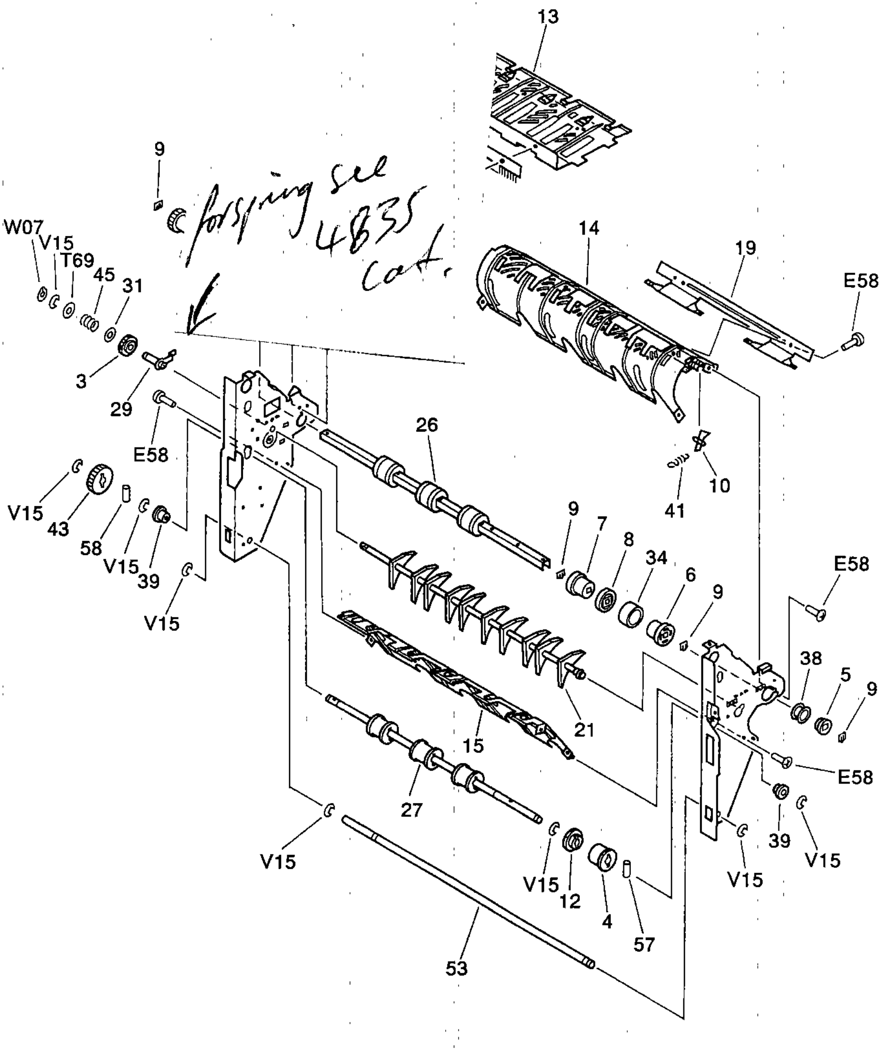
FIGURE 350 DELIVERY ASSEMBLY(1/2)
排紙部 (1/2)


E58
55
46
52
E58
E58
30
E58
E58
54
A
25
36
E58
28
(M7)
A
E58
24
E58
B
42
(J25)
E21
16
50
1
18
E58
52
E46
49
55
48
(J23)
50
2
(J24)
22
(Q2)
E26
E58
E58
23
37
56
51
E58
32
E58
20
U92
B
32
33
E58
40
35
17

NOTE : This assembly does not include the part shown with key No. 56.

注 ： このユニットに、 Key No. 56 の部品は含まれません。

FIGURE 350 DELIVERY ASSEMBLY(${}^{2}/_{2}$) 排紙部 (${}^{2}/_{2}$)

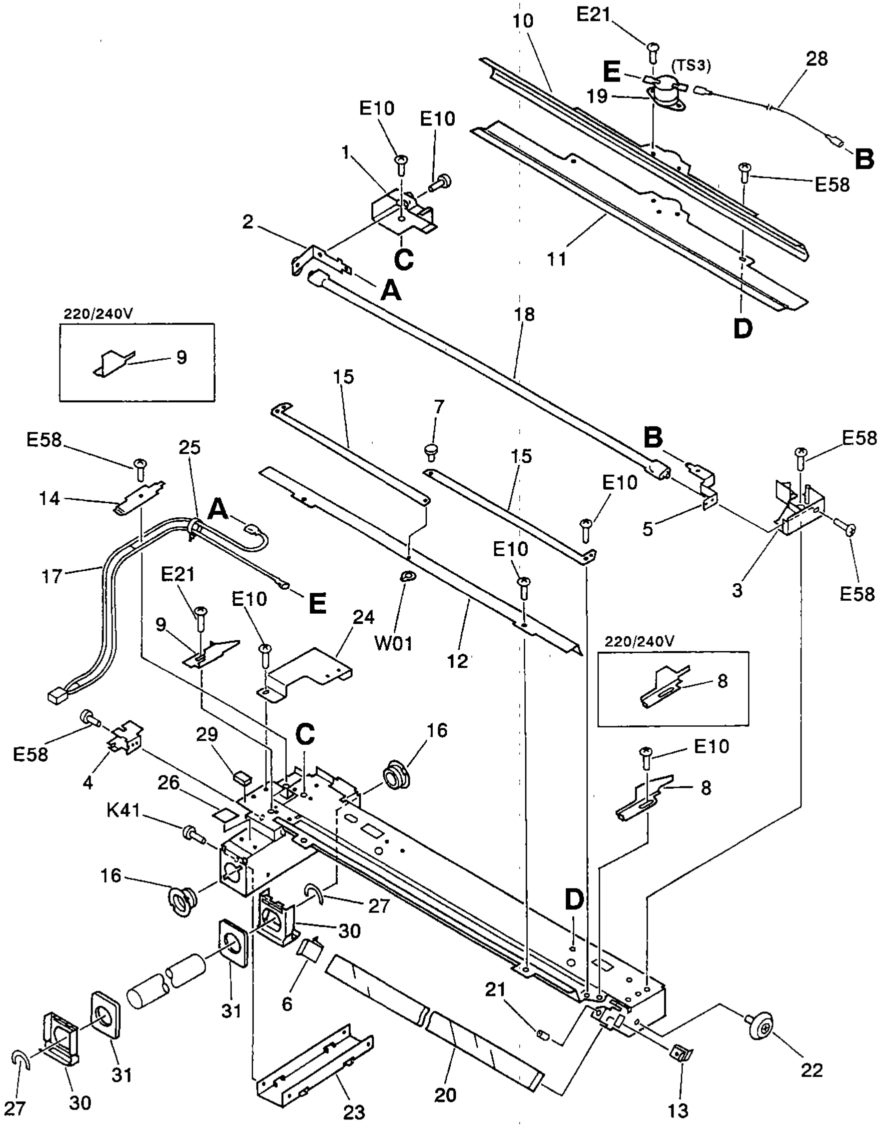

13
9
W07
V15
T69
45
31
3
29
E58
14
19
E58
26
10
41
V15
43
58
V15
39
V15
9
7
8
34
6
9
E58
38
5
9
21
15
E58
27
39
V15
V15
V15
12
4
57
V15
53

for spring see 4835 Cat.

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
350 –	FG5 – 1219 – 000		1	DELIVERY ASSEMBLY ハイシ ブ	
1	FF5 – 0962 – 000	N	1	SIDE PLATE, DELIVERY, REAR ハイシ ウシロ ソクバン	
2	FB1 – 5961 – 000		1	HOLDER, SEPARATION CLAW, UPPER ウエ ブンリ ツメ オサエ	
3	FF2 – 0108 – 000		1	GEAR, 22T 22T ギア	
4	FF9 – 0861 – 000		4	ROLLER, DELIVERY ハイシ ローラ	
5	FA2 – 8244 – 000		1	BUSHING ブツシング	
6	FA2 – 8290 – 030		4	ROLLER, DELIVERY ハイシ コロ	
7	FA2 – 8291 – 030		1	ROLLER, PAPER SENSING カミ ケンチ ローラ	
8	FA2 – 8319 – 020		4	ROLLER, DELIVERY, LOWER ハイシ ローラ (シタ)	
9	FA2 – 8361 – 000		10	RETAINER キンテイ	
10	FA2 – 9037 – 000		4	CLAW, SEPARATION, LOWER ブンリ ツメ (シタ)	
11	FA3 – 3129 – 020		1	ELIMINATOR, STATIC CHARGE ジヨデンキ	
12	FA3 – 9290 – 000		4	FLANGE, DELIVERY フランジ	
13	FB1 – 5951 – 000		1	GUIDE, UPPER ウエ ガイド	
14	FB1 – 5952 – 000		1	GUIDE, LOWER シタ ガイド	
15	FA5 – 3028 – 000		1	PAPER GUIDE, DELIVERY ハンテン ガイド	
16	FB1 – 5955 – 000		1	CROSSMEMBER, UPPER ハイシ ウエ ステー	
17	FB1 – 5954 – 000		1	CROSSMEMBER ハイシ ナカ ステー	
18	FB1 – 5956 – 000	N	1	SIDE PLATE, DELIVERY, FRONT ハイシ マエ ソクバン	
19	FB1 – 5962 – 000		1	HOLDER, SEPARATION CLAW, LOWER シタ ブンリ ツメ オサエ	
20	FB1 – 5963 – 000		4	HOLDER, ROLLER ハイシ コロ ササエイタ	
21	FA5 – 3036 – 000		1	FLAPPER, 1 ダイ 1 フラツパ	
22	FA5 – 3037 – 000		5	FLAPPER, 2 ダイ 2 フラツパ	
23	FF5 – 0964 – 000		1	PLATE, FLAPPER HOLDER フラツパ オサエ	
24	FB1 – 5960 – 000		1	HANDLE ハイシ トツテ	
25	FB1 – 5958 – 000		1	CROSSMEMBER, DELIVERY, UPPER ハイシ ウエ ステイ	
26	FA5 – 3041 – 000		1	CROSSMEMBER, GRIP トツテ カクジク	
27	FA5 – 3042 – 000		1	SHAFT, ROLLER ハイシ ローラ ジク	
28	FB1 – 5966 – 000		1	MOUNT, MOTOR モータ シダイ	
29	FA5 – 3045 – 000		1	HOLDER, FLAPPER フラツパ ホルダ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
350 – 30	FB1 – 5959 – 000		1	COVER, INSULATING ダンネツ カバー	
31	FA5 – 3046 – 000		1	STOPPER, THRUST スラスト オサエ	
32	FA5 – 3049 – 000		8	ROLLER ハンソウ コロ	
33	FF2 – 7096 – 000		1	WIRE, GROUNDING アース セン	
34	FA9 – 0240 – 000		4	RING, RUBBER ゴム リング	
35	FA9 – 0451 – 000		4	SEPARATION CLAW, UPPER ウエ ブンリ ヅメ	
36	FH7 – 1776 – 000		1	MOTOR, STEPPING, DC24V ステッピング モータ	
37	FH7 – 7222 – 000		1	PHOTO IC TLP1224 フオトインタラプタ	
38	FS1 – 1237 – 000		2	BUSHING ブッシング	
39	FS1 – 1462 – 000		2	BUSHING ブッシング	
40	FS1 – 2833 – 000		4	SPRING, TENSION ヒツパリ バネ	
41	FS1 – 2834 – 000		4	SPRING, TENSION ヒツパリ バネ	
42	FS2 – 0392 – 000		1	GEAR, 20T 20T ギア	
43	FS3 – 0040 – 000		1	GEAR, 29T 29T ギア	
44	FS3 – 0048 – 000		1	GEAR, 23T 23T ギア	
45	FS5 – 2268 – 000		1	SPRING, COMPRESSION アッシュク バネ	
46	FS2 – 2310 – 000		1	SPRING, TORSION ネジリ バネ	
48	FS3 – 2062 – 000		5	SPRING, TENSION ヒツパリ バネ	
49	FF9 – 0982 – 000		1	CABLE, DELIVERY ハイシ ソクセン	
50	WT2 – 5041 – 000		3	TIE, CABLE ソクセン バンド	
51	FA9 – 1781 – 000		1	STOP, RUBBER ストツパ	
52	FA2 – 8225 – 000		2	BUSHING ブッシング	
53	FA5 – 3054 – 000		1	SHAFT ジク	
54	FA3 – 8937 – 000		1	CROSSMEMBER, GRIP トッテ カクジク	
55	FA3 – 8938 – 000		2	LATCH ロック ヅメ	
56	FB1 – 6122 – 000		1	STRAP, DOOR SUPPORT ホールド テープ	SEE NOTE
57	XD9 – 0104 – 000		4	PIN, DOWEL ヘイコウ ピン	
58	XD9 – 0108 – 000		1	PIN, DOWEL ヘイコウ ピン	

FIGURE 400 MIRROR ASSEMBLY 1
第1ミラー台部



10
E21
E
(TS3)
19
28
B
E58
E10
E10
1
2
C
A
11
D
220/240V
9
18
15
7
B
E58
E58
25
15
14
A
E10
5
17
E21
E
E10
E58
3
9
E10
24
W01
12
220/240V
8
C
E58
29
16
4
E10
26
8
K41
16
D
27
30
31
6
21
22
31
27
30
23
20
13

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
400 –	NPN		RF	MIRROR ASSEMBLY 1 ダイ 1 ミラー ダイ	
1	FA5 – 3229 – 000		1	MOUNT, TERMINAL デンキヨクダイ	
2	FF2 – 0607 – 000		1	TERMINAL, LAMP, REAR ランプ デンキヨク (オク)	
3	FA5 – 3226 – 020		1	MOUNT,TERMINAL, FRONT デンキヨク ダイ (マエ)	
4	FB1 – 6416 – 000		1	PLATE, HOME POSITION ホーム バン	
5	FF5 – 1038 – 000		1	TERMINAL, LAMP, FRONT ランプ デンキヨク (マエ)	
6	FA3 – 8479 – 000		1	SPRING, LEAF ダイ 1 ミラーオサエバネ	
7	FA3 – 8480 – 000		1	PIVOT, ADJUSTING PLATE スリツト チヨウセイ バン シジク	
8	FB1 – 6389 – 000		1	SIDE REFLECTOR, FRONT サイド ハンシヤバン (マエ)	100/115V
	FB1 – 6390 – 000		1	SIDE REFLECTOR, FRONT サイド ハンシヤバン (マエ)	220/240V
9	FA3 – 8482 – 030		1	SIDE REFLECTOR, REAR サイド ハンシヤバン (ウシロ)	100/115V
	FA5 – 3238 – 000		1	SIDE REFLECTOR, FRONT サイド ハンシヤバン (マエ)	220/240V
10	FB1 – 5745 – 000		1	REFLECTOR, UPPER ウエ ハンシヤバン	
11	FB1 – 5746 – 000		1	REFLECTOR, LOWER シタ ハンシヤバン	
12	FB1 – 6405 – 000		1	REFLECTOR, AUXILIARY ホジヨ ハンシヤバン	
13	FA5 – 1644 – 000		1	SPRING, LEAF, 2/3 FRONT ダイ 2/3 ミラー オサエ バネ (マエ)	
14	FA5 – 2447 – 000		1	CLAMP, CORD コード オサエ	
15	FA5 – 2448 – 000		2	SLIT スリツト	
16	FB1 – 5749 – 000		2	BUSHING ブツシング	
17	FH2 – 5843 – 000		1	CORD コード	
18	FH7 – 3246 – 000		1	LAMP, 80V, 270W ハロゲン ランプ	100/115V
	FH7 – 3247 – 000		1	LAMP, 175V, 300W ハロゲン ランプ	220/240V
19	WD8 – 0028 – 000		1	THERMOSTAT サーモスタツト	
20	FN1 – 4217 – 000		1	MIRROR, 1 ダイ 1 ミラー	
21	X31 – 6240 – 880		1	SETSCREW, M4X8 ロツカク アナツキ トメネジ	
22	XG9 – 0089 – 000		1	ROLLER, GUIDE ベアリング	
23	FB1 – 5743 – 000		1	PLATE ホキヨウ バン	
24	FB1 – 5744 – 000		1	PLATE, WIRE STOP ワイヤ コテイバン	
25	WT2 – 5063 – 000		1	CLAMP クランプ	
26	FA9 – 0032 – 000		1	LABEL, VOLTAGE デンアツ シユウハスウ ラベル	100/115V

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
400 – 26	FC1 – 2235 – 000		1	LABEL デンアツ シユウハスウ ラベル	220/240V
27	FA5 – 3212 – 020		2	RING ヌケ ドメ	
28	FF2 – 6645 – 000		1	CORD コード	
29	FA9 – 2099 – 000		1	BLOCK, BLIND メカクシ ブロツク	
30	FB1 – 5747 – 000		2	HOLDER, OIL PAD オイル パツド ホルダ	
31	FB1 – 5748 – 000		2	PAD, OIL オイル パツド	

FIGURE 401 MIRROR ASSEMBLY 2
第2ミラー台部

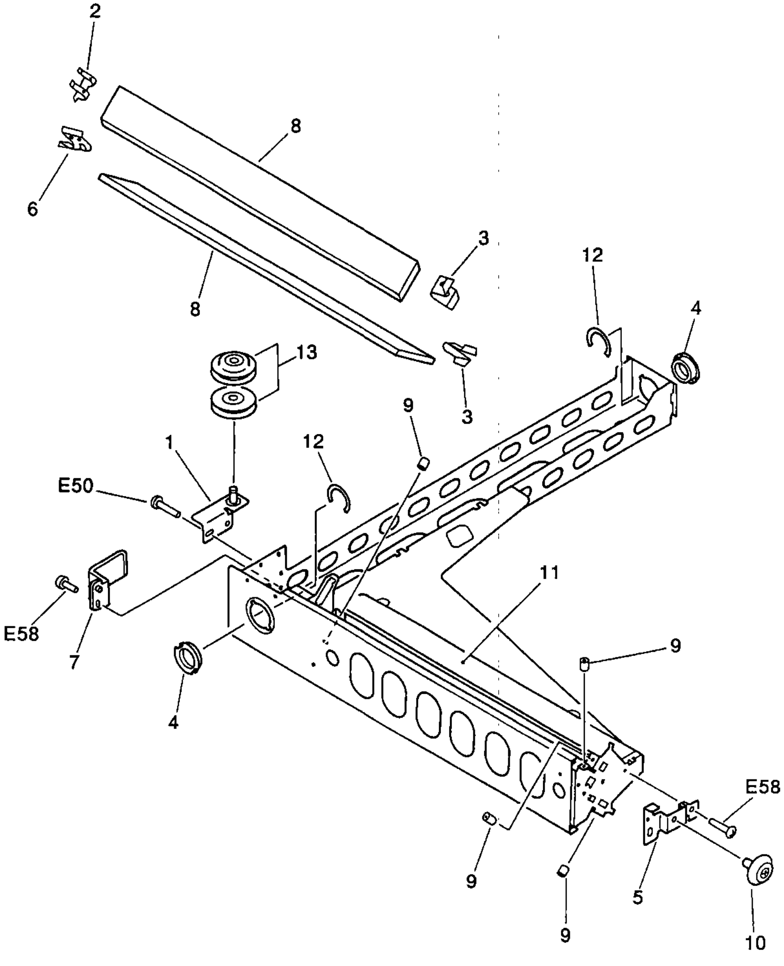

2
8
6
8
3
12
4
13
3
9
1
12
E50
11
E58
7
9
4
E58
9
5
9
10

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
401 –	NPN		RF	MIRROR ASSEMBLY 2 ダイ 2 ミラー ダイ	
1	FF5 – 0984 – 000		1	MOUNT, PULLEY プーリ ダイ	
2	FA5 – 1643 – 000		1	SPRING, LEAF, 3 REAR ダイ 3 ミラー オサエ バネ (ウシロ)	
3	FA5 – 1644 – 000		2	SPRING, LEAF, 2/3 FRONT ダイ 2/3 ミラー オサエ バネ (マエ)	
4	FB1 – 5749 – 000		2	BUSHING ブツシング	
5	FB1 – 6187 – 000		1	PLATE, ADJUSTING チヨウセイ バン	
6	FA5 – 2459 – 000		1	SPRING, LEAF ダイ 3 ミラー バネ (オク)	
7	FA5 – 2460 – 000		1	GUIDE, CORD コード ガイド	
8	FN1 – 4308 – 000		2	MIRROR, 2, 3 ダイ 2, 3 ミラー	
9	X31 – 6240 – 880		4	SETSCREW, M4X8 ロツカク アナツキ トメネジ	
10	XG9 – 0089 – 000		1	ROLLER, GUIDE ベアリング	
11	FA5 – 2469 – 000		1	PLATE, CUT カツト プレート	
12	FA5 – 3212 – 020		2	RING ヌケ ドメ	
13	FB1 – 6186 – 000		2	PULLEY プーリ	

FIGURE 500 DRUM UNIT
ドラム　ユニット

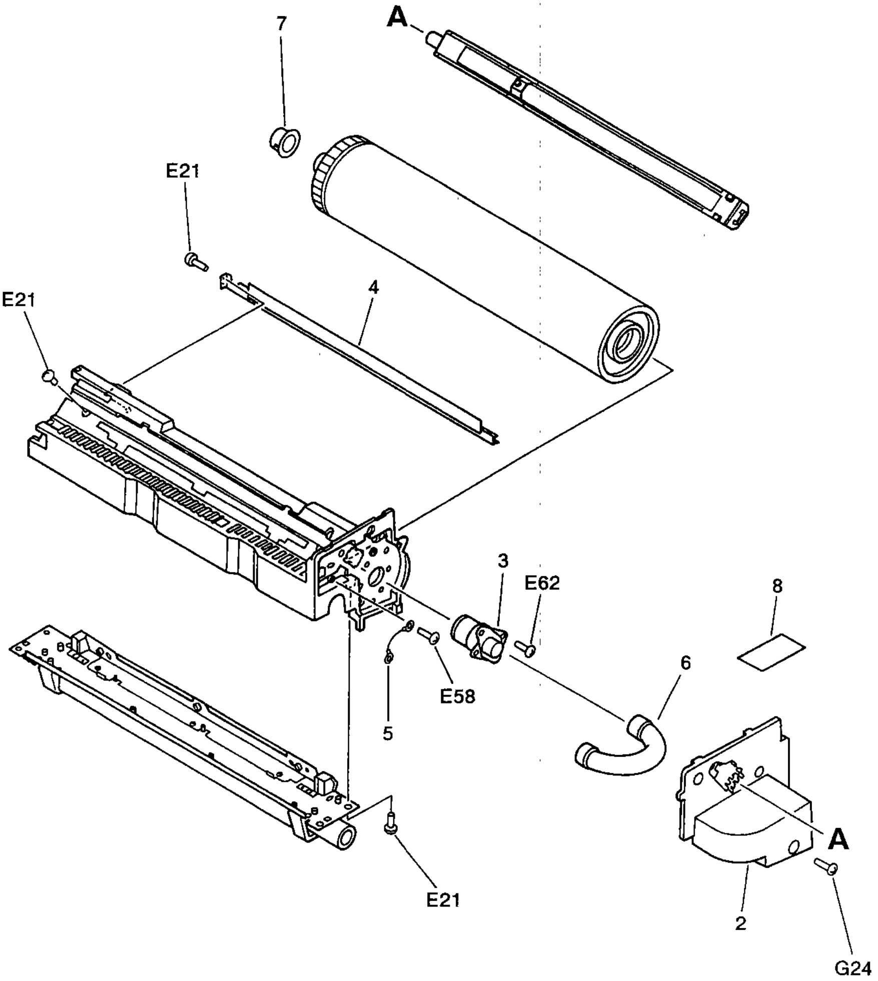

7
A
E21
E21
4
3
E62
8
E58
6
5
A
E21
2
G24

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
500 –	NPN		RF	DRUM UNIT ドラム ユニット	
2	FB1 – 5754 – 000		1	COVER キット カバー	
3	FB1 – 5755 – 000		1	SUPPORT, DRUM ドラム ササエ	
4	FF2 – 0116 – 000		1	PLATE, TONER トナー ウケ	
5	FF2 – 2495 – 000		1	WIRE, GROUNDING アースセン	
6	FA5 – 2515 – 000		1	PIPE, FEEDSCREW スクリユウ パイプ	
7	FS1 – 1447 – 000		1	BUSHING ブッシング	
8	FS2 – 8062 – 000		1	LABEL, DATE ヒヅケ ラベル	

FIGURE 550 PRIMARY CORONA ASSEMBLY
1次帯電器

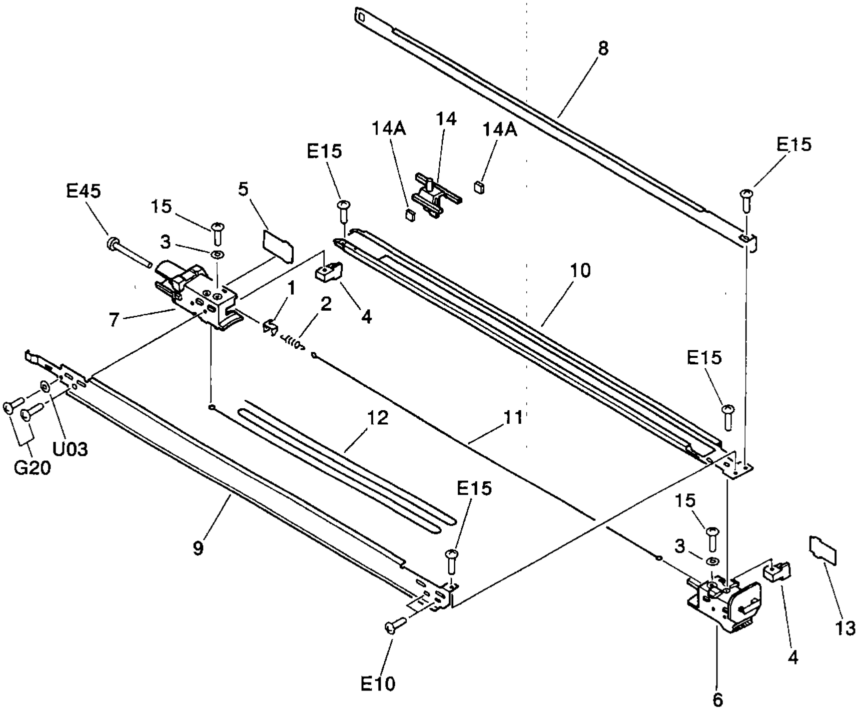

8
14A
14
14A
E15
E15
E45
5
15
3
7
1
2
4
10
E15
11
12
U03
G20
E15
15
3
9
13
4
E10
6

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
550 –	FG5 – 1194 – 000		1	PRIMARY CORONA ASSEMBLY 1ジ タイデンキ	
1	87 – 2608 – 000		1	TERMINAL, CORONA WIRE タイデン デンキヨク	
2	97 – 5527 – 000		1	SPRING, TENSION タイデンセン ヒッパリ バネ	
3	FA2 – 1498 – 000		2	WASHER ワッシヤ	
4	FA2 – 8884 – 000		2	GUIDE, CORONA WIRE チヨウセイグ	
5	FA5 – 2533 – 000		1	COVER, WIRE TERMINATION フタ	
6	FB1 – 5765 – 000		1	HOUSING,WIRE TERMINATION,FRONT ブロツク (マエ)	
7	FA5 – 2527 – 000		1	HOUSING, WIRE TERMINATION,REAR ブロツク (ウシロ)	
8	FB1 – 5767 – 000		1	PLATE, SHIELD, RIGHT シールド バン (ミギ)	
9	FB1 – 5768 – 000		1	PLATE, SHIELD, LEFT シールド バン (ヒダリ)	
10	FB1 – 5769 – 000		1	PLATE, SHIELD, UPPER シールド バン (ウエ)	
11	FY3 – 0030 – 000		AR	WIRE, CORONA, 0.06MM (20M) タイデンセン	100V
	FY3 – 0040 – 000		AR	WIRE, CORONA, 0.06MM (20M) タイデンセン	115/220/240V
12	Y81 – 0162 – 000		AR	WIRE, CORONA, 0.1MM (100M) タイデンセン	
13	FA3 – 8560 – 000		1	COVER, WIRE TERMINATION フタ	
14	FF5 – 0909 – 000		1	PAD, WIRE CLEANING, ワイヤ クリーナ	
14A	FB1 – 5770 – 000		2	PAD パツド	
15	XA9 – 0014 – 000		2	SCREW, INSUL., C.S.HEAD, M4X12 ゼツエン ビス	
16	XB4 – 6260 – 409		1	SCREW,TAPPING,PAN HEAD,M2.6X4 ナベ タッピン ネジ	

FIGURE 570 PRE-TRANSFER CORONA ASSEMBLY
転写前帯電器

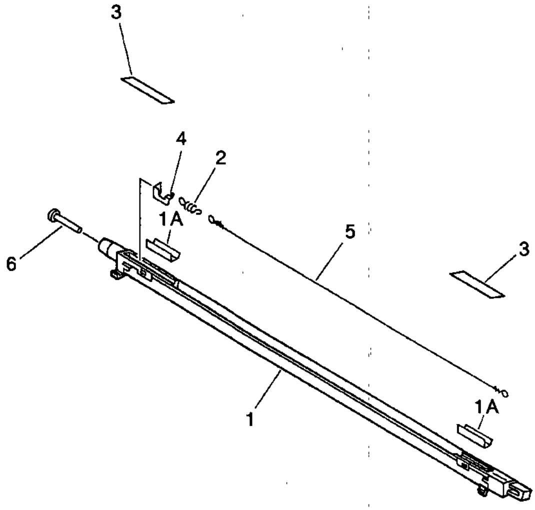


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
570 –	FG1 – 8040 – 040		1	PRE – TRANSFER CORONA ASSEMBLY テンシヤ マエ タイデンキ	
1	FF2 – 0125 – 030		1	PLATE, FRAME シールド バン	
1A	FA5 – 2553 – 000		2	SEAL シール	
2	97 – 5527 – 000		1	SPRING, TENSION タイデンセン ヒツパリ バネ	
3	FA9 – 2046 – 000		2	COVER, WIRE TERMINATION フタ	
4	FA5 – 2550 – 000		1	TERMINAL, CORONA WIRE タイデン デンキヨク	
5	FY3 – 0030 – 000		AR	WIRE, CORONA, 0.06MM (20M) タイデンセン	100V
	FY3 – 0040 – 000		AR	WIRE, CORONA, 0.06MM (20M) タイデンセン	115/220/240V
6	XA9 – 0324 – 000		1	SCREW, M2X16 ネジ	

FIGURE 580 TRANS./SEP. CORONA ASSEMBLY
転写／分離帯電器

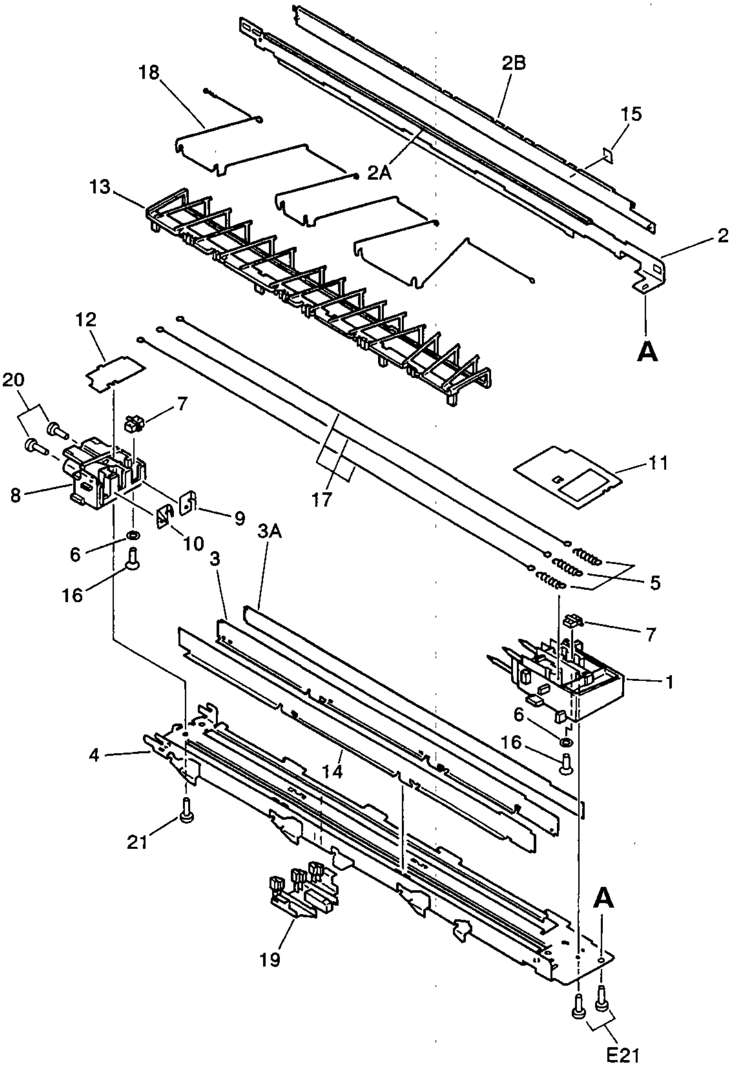

18
2B
15
2A
13
2
A
12
20
7
11
8
17
9
10
3A
6
3
5
16
7
1
6
16
4
14
21
A
19
E21

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
580 –	FG5 – 1204 – 060		1	TRANS./SEP. CORONA ASSEMBLY テンシヤ/ブンリ タイデンキ	
1	FF5 – 0936 – 030		1	HOUSING,WIRE TERMINATION,FRONT ブロツク (マエ)	
2	FF5 – 0938 – 020	N	1	PLATE, FRAME シールド バン	
2A	FA6 – 3135 – 000		1	PLATE, INSULATING ゼツエン プレート	
2B	FB1 – 5877 – 000		1	PLATE, WIRE テグス ダイ (R)	
3	FF5 – 0939 – 000		1	PLATE T ナカイタ	
3A	FB1 – 5874 – 000		1	SHEET, INSULATING ゼツエン シート	
4	FB1 – 5872 – 020	N	1	PLATE, FRAME シールド バン	
5	97 – 5527 – 000		3	SPRING, TENSION タイデンセン ヒツパリ バネ	
6	FA2 – 1498 – 000		2	WASHER ワツシヤ	
7	FA3 – 8828 – 000		2	GUIDE, CORONA WIRE タイデンセン イチギメ	
8	FB1 – 5878 – 030		1	HOUSING, WIRE TERMINATION,REAR ブロツク (ウシロ)	
9	FA5 – 2637 – 000		1	TERMINAL, CORONA WIRE タイデンセン デンキヨク	
10	FA5 – 2638 – 000		1	TERMINAL, CORONA WIRE タイデンセン デンキヨク	
11	FB1 – 5785 – 020		1	COVER, WIRE TERMINATION, FRONT ブロツク フタ (マエ)	
12	FA5 – 2641 – 000		1	COVER, WIRE TERMINATION, REAR ブロツク フタ (ウシロ)	
13	FB1 – 5876 – 000	N	1	GUIDE, PAPER ブンリ ガイド	
14	FB1 – 5875 – 000		1	PLATE S ナカイタ	
15	FA5 – 2667 – 000		6	SEAL テグス ドメ	
16	XA9 – 0034 – 000		2	SCREW, INSUL., C.S.HEAD, M4X15 ゼツエン ビス	
17	FY3 – 0030 – 000		AR	WIRE, CORONA, 0.06MM (20M) タイデンセン	100V
	FY3 – 0040 – 000		AR	WIRE, CORONA, 0.06MM (20M) タイデンセン	115/220/240V
18	RY1 – 1502 – 000		AR	GUIDE, WIRE ガイド セン	
19	FF5 – 0940 – 000		1	HOLDER, FELT フエルト ホルダ	
20	XB1 – 2301 – 602		2	SCREW,MACH.,TRUSS HEAD,M3X16 バインド ネジ	
21	X71 – 5332 – 000		1	SCREW, M4X5 ポリ ビス	

FIGURE 581 LOWER TRANSFER GUIDE ASSEMBLY
転写下ガイド部

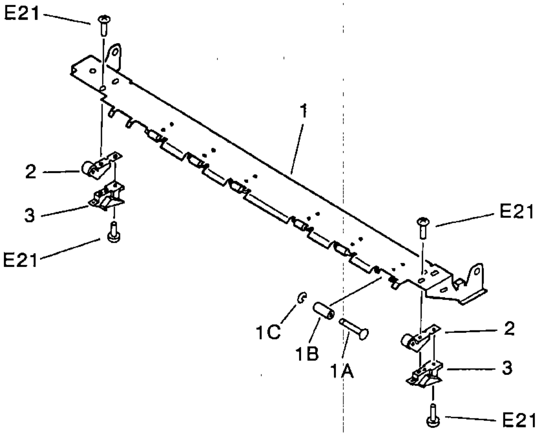


FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
581 –	NPN		RF	LOWER TRANSFER GUIDE ASSEMBLY テンシヤ シタ ガイド ブ	
1	FF2 – 0169 – 020		1	GUIDE, TRANSFER, LOWER テンシヤ ガイド (シタ)	
1A	FA3 – 8811 – 000		6	SHAFT, ROLLER コロ ジク	
1B	FS1 – 6183 – 020		6	ROLLER, GUIDE ガイド コロ	
1C	XD2 – 1100 – 132		6	RING,E E リング	
2	FF1 – 5876 – 000		2	MOUNT, ROLLER ツキアテ コロ シバン	
3	FA5 – 2657 – 000		2	CAM カム	

FIGURE 620 HOPPER ASSEMBLY
ホッパ部

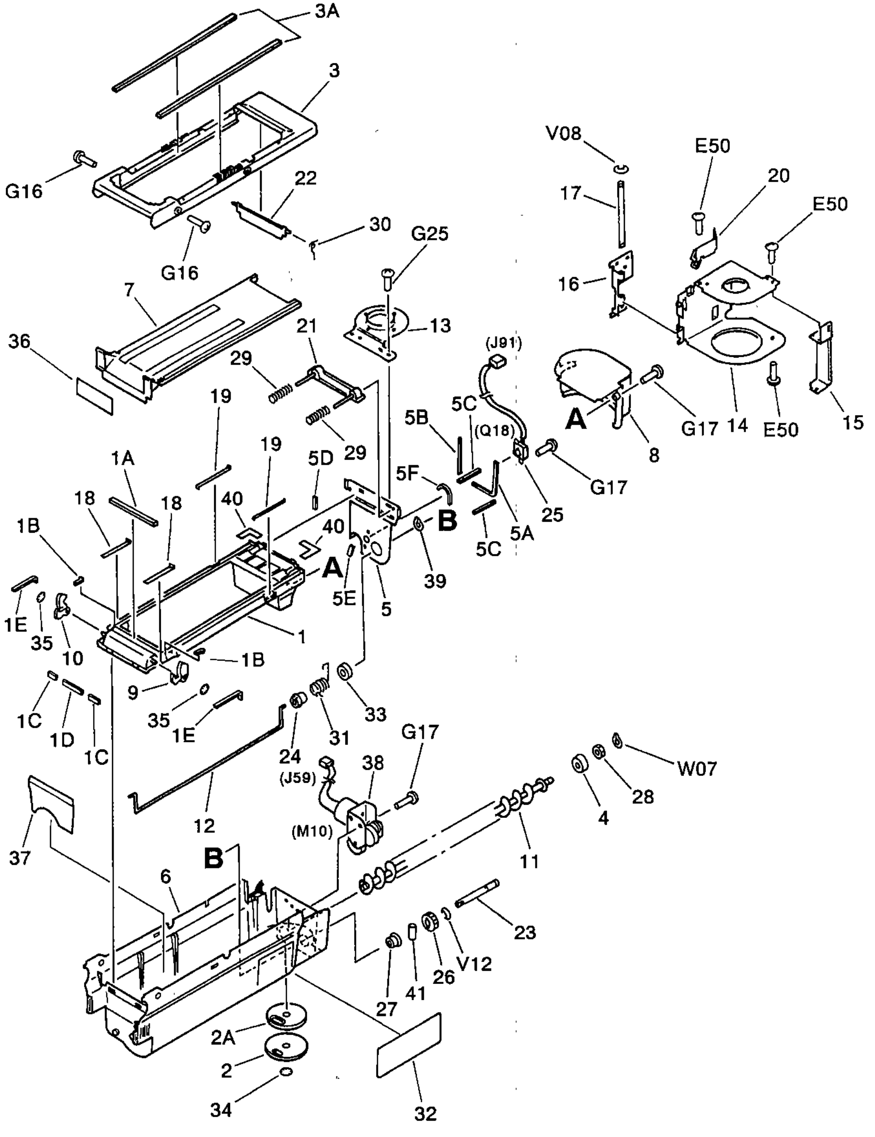

3A
3
G16
22
30
G16
G25
7
13
21
36
29
29
19
19
1A
5D
18
18
40
40
1B
A
5E
5
1E
35
10
1
1B
9
35
1E
1C
1D
1C
33
31
24
(J59)
38
G17
12
(M10)
37
B
6
11
23
27
41
26
V12
2A
2
34
32
V08
E50
20
E50
17
16
(J91)
5C
(Q18)
5B
A
G17
14
E50
15
8
5F
25
G17
B
39
5A
5C
W07
28
4

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
620 –	FG5 – 1200 – 000		1	HOPPER ASSEMBLY ホツパ ブ	
1	FF5 – 0920 – 000		1	MOUNT, SLIDE LID スライド フタ ダイ	
1A	FB1 – 5808 – 000		1	SEAL シール	
1B	FB1 – 6394 – 000		2	SEAL 2 シール (2)	
1C	FB1 – 6407 – 000		2	SEAL,A シール (A)	
1D	FB1 – 6408 – 000		1	SEAL,B シール (B)	
1E	FB1 – 6409 – 000		2	SEAL, C シール (C)	
2	FF5 – 0921 – 000		1	SHUTTER シヤツタ	
2A	FB1 – 5809 – 000		1	SEAL, SHUTTER シヤツタ シール	
3	FF5 – 1012 – 000		1	COVER, HOPPER ASSEMBLY ホツパ カバー	
3A	FB1 – 6116 – 000		2	SEAL, HOPPER COVER ホツパ カバー シール	
4	FF1 – 5896 – 000		1	BUSHING ジクウケ	
5	FF5 – 1026 – 000		1	LID ミギ ウエ フタ	
5A	FB1 – 6131 – 000		1	SEAL シール	
5B	FB1 – 5805 – 000		1	SEAL 2 シール (2)	
5C	FB1 – 6134 – 000		2	SEAL 3 シール (3)	
5D	FB1 – 6411 – 000		1	SEAL A シール (A)	
5E	FB1 – 6412 – 000		1	SEAL B シール (B)	
5F	FB1 – 6413 – 000		1	SEAL C シール (C)	
6	FB1 – 5796 – 000		1	HOPPER ホツパ	
7	FB1 – 5799 – 000		1	LID, SLIDE スライド フタ	
8	FB1 – 5800 – 000		1	COVER, MOTOR モータ カバー	
9	FB1 – 5802 – 000		1	LOCK, CARTRIDGE, FRONT カートリツジ ロツク (マエ)	
10	FB1 – 5803 – 000		1	LOCK, CARTRIDGE, REAR カートリツジ ロツク (オク)	
11	FB1 – 5806 – 000		1	FEEDSCREW, TONER ホツパ スクリユ	
12	FB1 – 5807 – 000		1	ROD, STIRRING カクハン ボウ	
13	FB1 – 5810 – 000		1	HINGE, HOPPER ホツパ カイテン ヒンジ	
14	FB1 – 5811 – 000		1	HINGE, HOPPER 1 ホツパ ヒンジ (1)	
15	FB1 – 5812 – 000		1	SUPPORT, HINGE ヒンジ ステイ	
16	FB1 – 5813 – 000		1	HINGE, HOPPER 2 ホツパ ヒンジ (2)	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
620 – 17	FB1 – 5814 – 000		1	ROD, HINGE ヒンジ シヤフト	
18	FB1 – 5815 – 000		2	SPRING, LEAF イタ バネ	
19	FB1 – 5816 – 000		2	SPRING, LEAF イタ バネ	
20	FB1 – 5817 – 000		1	MOUNT, CONNECTOR コネクタ ダイ	
21	FB1 – 6115 – 000		1	COVER, BUFFER バツフア カバー	
22	FB1 – 6120 – 000		1	LID イリグチ フタ	
23	FB1 – 6392 – 000		1	SHAFT, STIRRER カクハン ジク	
24	FB1 – 6393 – 000		1	BUSHING ブツシング	
25	FH7 – 7283 – 000		1	SENSOR, TONER トナー センサ	
26	FS1 – 0708 – 000		1	GEAR, 20T 20T ギア	
27	FS1 – 1205 – 000		1	BUSHING ブツシング	
28	FS5 – 0300 – 000		1	GEAR, 16T 16T ギア	
29	FS5 – 2252 – 000		2	SPRING, COMPRESSION アツシユク バネ	
30	FS5 – 2253 – 000		1	SPRING, TORSION ネジリ バネ	
31	FS5 – 2254 – 000		2	SPRING, TORSION ネジリ バネ	
32	FS8 – 8669 – 000		1	LABEL, JAM 5 ジヤム シヨリ ラベル 5	
33	XG9 – 0111 – 000		1	SEAL, OIL オイル シール	
34	XD9 – 0078 – 000		1	RING, SE SE リング	
35	XD2 – 2300 – 502		2	WASHER, LOCK, TOOTHED ハツキ ザガネ	
36	FB1 – 6401 – 000		1	LABEL ラベル	
37	FB1 – 6414 – 000		2	PLATE シキリ バン	
38	FH7 – 1762 – 000		1	MOTOR, DC24V モータ	
39	XD9 – 0061 – 000		1	RING, C C リング	
40	FB1 – 5997 – 000		2	SEAL シール	
41	XD9 – 0104 – 000		1	PIN, DOWEL ヘイコウ ピン	

FIGURE 640 BLACK DEVELOPING ASSEMBLY
黒現像器

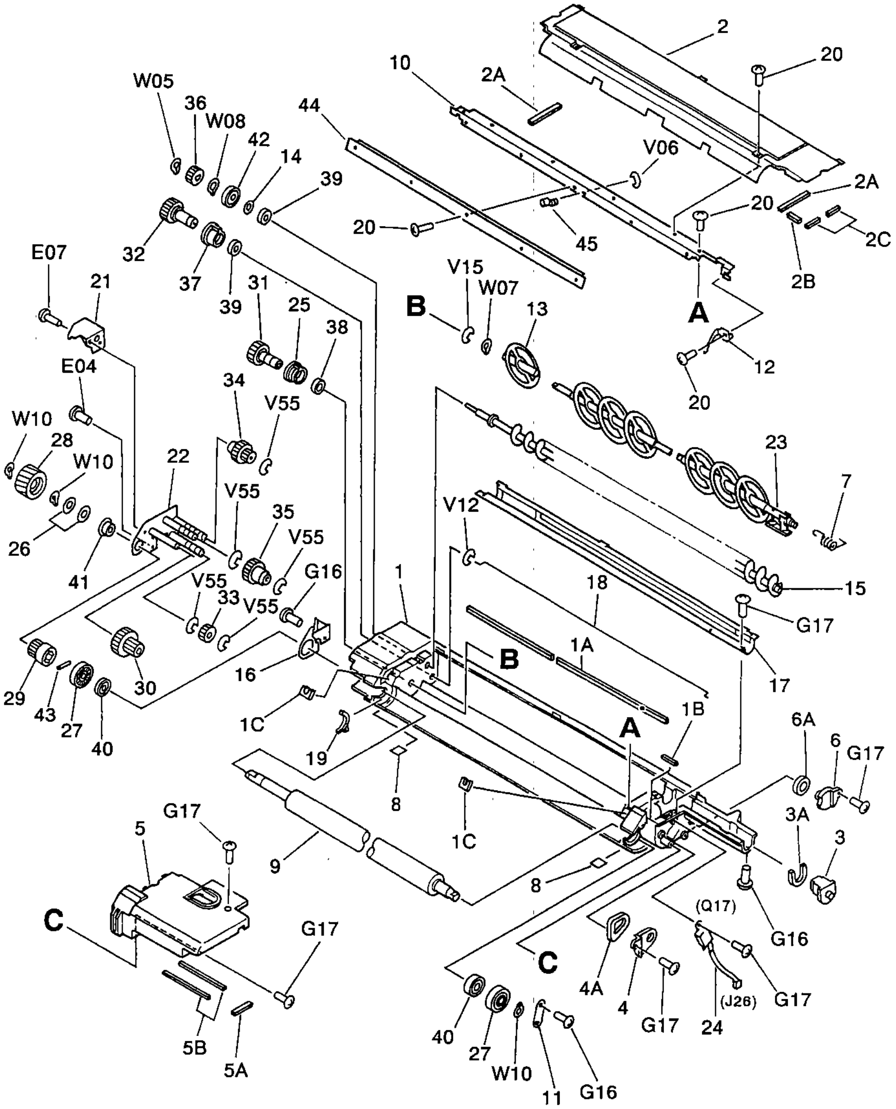
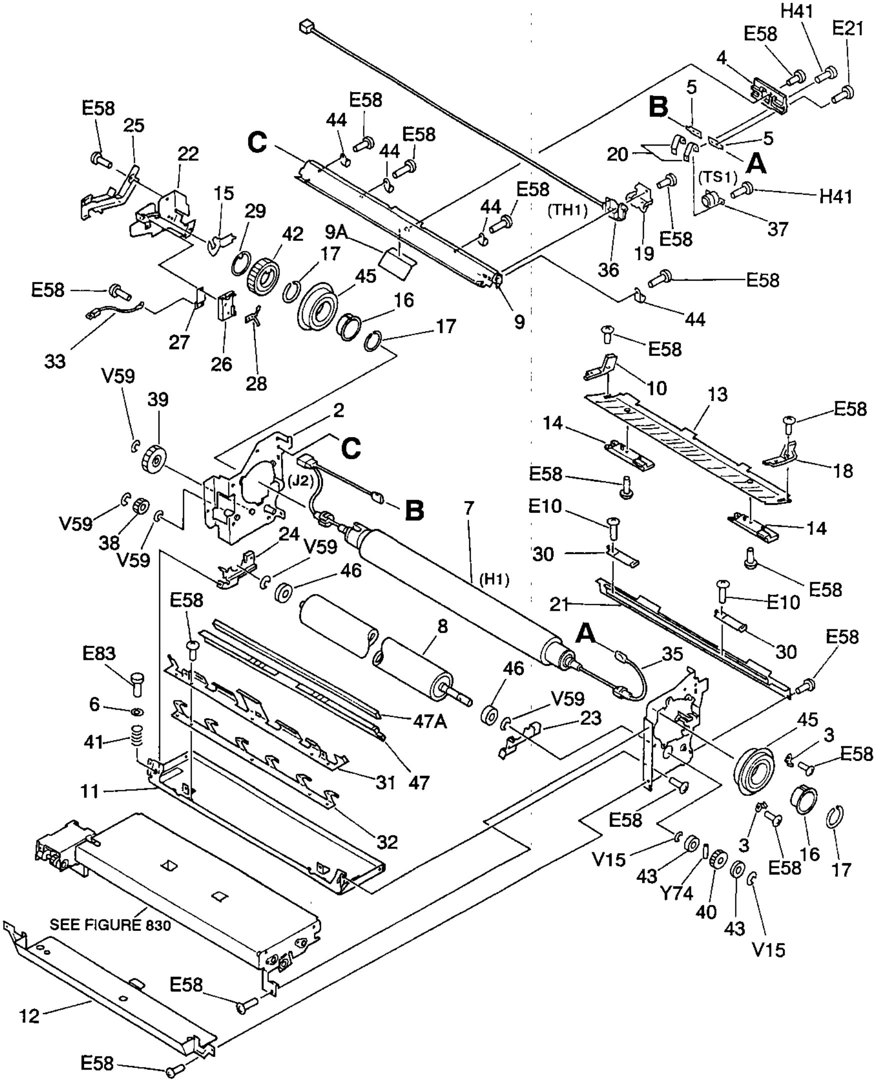

2
20
10
2A
W05
36
W08
44
42
14
V06
39
2A
20
20
45
2C
32
37
2B
E07
39
21
V15
W07
31
25
B
13
A
38
12
E04
20
34
V55
W10
28
23
W10
22
7
V55
V12
26
35
41
V55
18
1
15
G16
V55
33
V55
G17
1A
B
16
29
30
17
43
1C
1B
27
6A
40
19
A
6
G17
8
1C
3A
G17
3
5
9
8
G16
(Q17)
C
G17
C
4A
G17
4
G17
(J26)
40
24
27
5B
W10
G16
5A
11

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
640 –	FG5 – 1202 – 000		1	BLACK DEVELOPING ASSEMBLY クロ ゲンゾウキ	
1	FF5 – 0924 – 000		1	HOUSING, DEVELOPING ASSEMBLY ゲンゾウ ヨウキ	
1A	FB1 – 5839 – 000		1	SEAL 1 シール (1)	
1B	FB1 – 5840 – 000		1	SEAL 2 シール (2)	
1C	FA5 – 2606 – 000		2	SEAL, 1 シール (1)	
2	FF5 – 0925 – 000		1	LID, DEVELOPING ASSEMBLY ゲンゾウキ フタ	
2A	FB1 – 5841 – 000		2	SEAL 1 シール (1)	
2B	FB1 – 5845 – 000		1	SEAL 2 シール (2)	
2C	FB1 – 5846 – 000		2	SEAL 3 シール (3)	
3	FF5 – 0926 – 000		1	SUPPORT, SCREW スクリユ シダイ	
3A	FB1 – 5829 – 000		1	SEAL シール	
4	FF5 – 0927 – 000		1	SUPPORT, STIRRING 2 カクハン シダイ (2)	
4A	FB1 – 5842 – 000		1	SEAL シール	
5	FF5 – 0929 – 000		1	GRIP テカケ	
5A	FB1 – 5843 – 000		1	SEAL 1 シール (1)	
5B	FB1 – 5844 – 000		2	SEAL 2 シール (2)	
6	FF5 – 0930 – 000		1	SUPPORT, STIRRING 1 カクハン シダイ (1)	
6A	FB1 – 5847 – 000		1	SEAL シール	
7	FA3 – 8589 – 000		1	SPRING, TENSION ネジリ バネ	
8	FB1 – 6051 – 000		2	SHEET マイラ シート	
9	FA5 – 2594 – 000		1	ROLLER マグネツト ローラ	
10	FA5 – 2598 – 000		1	PLATE イタ ステー	
11	FA5 – 2602 – 000		1	PLATE, POSITIONING キヨクギメ バン	
12	FA5 – 2610 – 000		1	SPRING, LEAF イタ バネ	
13	FA5 – 2614 – 000		10	ROLLER, STIRRING カクハン バネ	
14	FA9 – 1935 – 000		1	SPACER スペーサ	
15	FB1 – 5824 – 000		1	FEEDSCREW, TONER ハンソウ スクリユ	
16	FB1 – 5827 – 000		1	PLATE, TERMINAL デンキヨク バン	
17	FB1 – 5831 – 000		1	PLATE スクリユ ソクバン	
18	FB1 – 5834 – 000		1	ROD, STIRRING カクハン ボウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
640 – 19	FB1 – 5837 – 000		2	PLATE, SEAL ジセイ シールバン	
20	XB1 – 2300 – 402		11	SCREW,MACH.,TRUSS HEAD,M3X4 バインド ネジ	
21	FB1 – 6050 – 000		1	PLATE モチ アゲ イタ	
22	FF5 – 0928 – 000		1	PLATE, GEAR HOLDER ギア シジ イタ	
23	FF5 – 0990 – 000		1	ROD, STIRRING 2 カクハン ジク	
24	FH7 – 7242 – 000		1	SENSOR, TONER トナー センサ	
25	FS2 – 1014 – 000		1	BUSHING ブツシング	
26	FS2 – 6018 – 000		2	WASHER ワツシヤ	
27	FS2 – 6019 – 000		2	ROLLER コロ	
28	FS3 – 0041 – 000		1	GEAR, 19T 19T ギア	
29	FS3 – 0042 – 000		1	GEAR, 21T 21T ギア	
30	FS3 – 0043 – 000		1	GEAR, 43/21T 43/21T ギア	
31	FS5 – 0280 – 000		1	GEAR, 30T 30T ギア	
32	FS5 – 0281 – 000		1	GEAR, 35T 35T ギア	
33	FS5 – 0282 – 000		1	GEAR, 26T 26T ギア	
34	FS5 – 0283 – 000		1	GEAR, 25T/15T 25T/15T ギア	
35	FS5 – 0284 – 000		1	GEAR, 31T/16T 31T/16T ギア	
36	FS5 – 0297 – 000		1	GEAR, 20T 20T ギア	
37	FS5 – 1184 – 000		1	BUSING ブツシング	
38	X71 – 9310 – 000		1	SEAL, OIL オイル シール	
39	XG9 – 0111 – 000		2	SEAL, OIL オイル シール	
40	XG9 – 0205 – 000		2	BEARING, BALL ボール ベアリング	
41	XG9 – 0211 – 000		1	BEARING ベアリング	
42	XG9 – 0212 – 000		1	BEARING, BALL ボール ベアリング	
43	XD9 – 0104 – 000		1	PIN, DOWEL ヘイコウ ピン	
44	FB1 – 5838 – 000		1	BLADE ブレード	
45	FA5 – 1762 – 000		1	BOSS ボス	

FIGURE 810 FIXING ASSEMBLY 定着器


H41
E58
E21
4
5
B
5
20
A
(TS1)
H41
37
E58
25
22
E58
44
C
E58
44
E58
15
29
42
9A
44
E58
(TH1)
19
E58
36
17
45
E58
E58
16
9
44
17
33
27
26
28
E58
10
13
V59
39
2
14
C
E58
18
(J2)
B
7
E10
V59
38
V59
24
V59
46
14
30
(H1)
E58
21
E10
E58
E83
8
A
35
30
E58
6
46
V59
47A
23
41
45
3
E58
31
47
11
32
E58
V15
43
Y74
40
3
E58
16
17
43
V15
SEE FIGURE 830
E58
12
E58

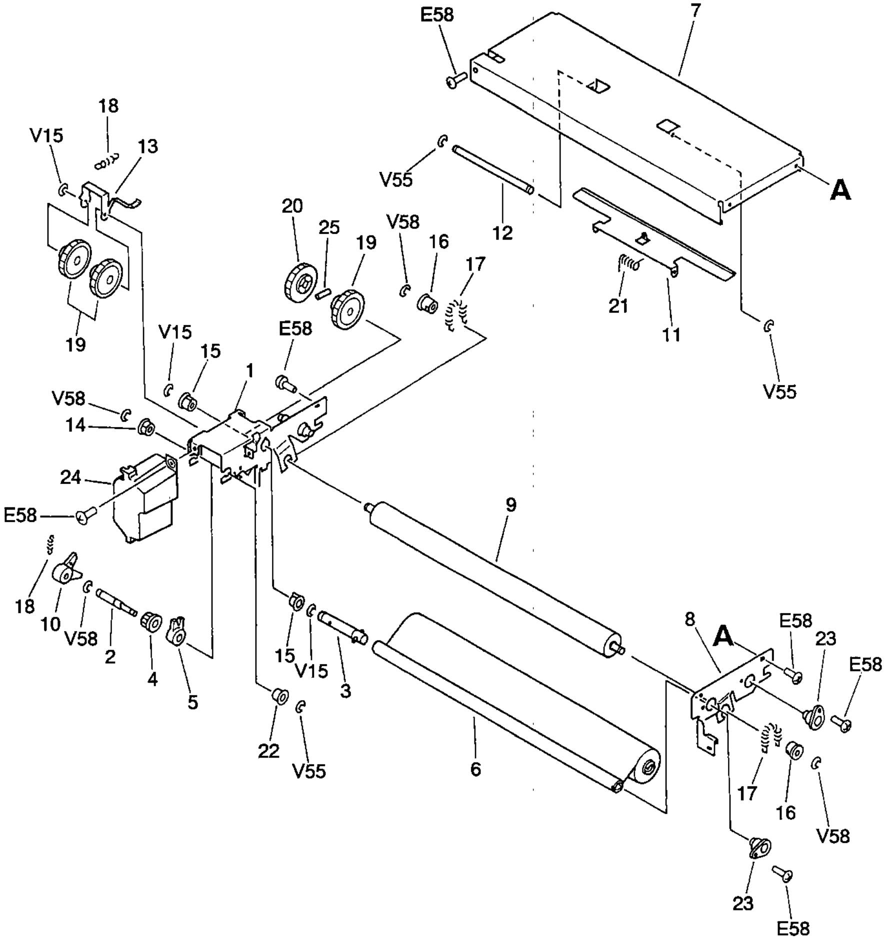
NOTE : In the felt (FA5-3015-000) is to be replaced on its own, make sure the new felt is impregnated with silicone oil.

注 ： フェルト（FA5-3015-000）のみを交換する場合は、シリコンオイルの含浸が必要です。

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
810 –	FG5 – 1211 – 000		1	FIXING ASSEMBLY テイチヤクキ	100V
	FG5 – 1212 – 000		1	FIXING ASSEMBLY テイチヤクキ	115V
	FG5 – 1213 – 000		1	FIXING ASSEMBLY テイチヤクキ	220/240V
1	FF5 – 0955 – 000	N	1	PLATE, FRONT マエ ソクバン	
2	FF5 – 0956 – 000	N	1	PLATE, REAR ウシロ ソクバン	
3	FA5 – 3008 – 000		2	STOPPER ストツパ	
4	FA2 – 8346 – 000		1	MOUNT, THERMOSWITCH サーモスイツチ ダイ	
5	FA2 – 8366 – 000		2	TERMINAL, THERMOSWITCH サーモスイツチ タンシ	
6	FA2 – 9078 – 000		2	RING, C EXTERNAL C リング	
7	FA5 – 2956 – 030		1	FIXING ROLLER, UPPER ウエ ローラ	
8	FB1 – 5921 – 000		1	FIXING ROLLER, LOWER シタ ローラ	
9	FF5 – 0947 – 000		1	PLATE, UPPER ウエ ステー	
9A	FB1 – 5947 – 000		1	SHEET, INSULATION ゼツエン シート	
10	FA5 – 3014 – 000		1	HANDLE, REAR トツテ (ウシロ)	
11	FB1 – 5925 – 000		1	PLATE, BASE ソコ イタ	
12	FB1 – 5943 – 000		1	PLATE, DUST シフン ウケ	
13	FB1 – 5927 – 000		1	GUIDE イリグチ ガイド	
14	FA5 – 2965 – 000		2	SUPPORT, GUIDE ガイド ホジヨ イタ	
15	FB1 – 5932 – 000		1	SPRING, LEAF イタ バネ	
16	FB1 – 5928 – 000		2	BUSHING ブツシング	
17	FA5 – 2969 – 000		2	RING トメワ	
18	FA5 – 2977 – 000		1	HANDLE, FRONT トツテ (マエ)	
19	FA5 – 2978 – 000		1	HOLDER, THERMISTOR サーミスタ ホルダ	
20	FA5 – 2979 – 000		2	SPRING, LEAF, THERMOSWITCH サーモスイツチ バネ	
21	FB1 – 5926 – 000		1	PLATE, HEIGHT ADJUSTING タカサ チヨウセイ バン	
22	FB1 – 5929 – 000		1	HOLDER, HEATER ヒータ ホルダ	
23	FB1 – 5930 – 000		1	ARM, ROLLER LIFTING, FRONT カアツ アーム (マエ)	
24	FB1 – 5931 – 000		1	ARM, ROLLER LIFTING, REAR カアツ アーム (ウシロ)	
25	FB1 – 5933 – 000		1	COVER, CORD コード カバー	
26	FB1 – 5934 – 000		1	MOUNT, ELECTRODE デンキヨク シバン	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
810 – 27	FB1 – 5935 – 000		1	HOLDER, ELECTRODE デンキヨク オサエイタ	
28	FB1 – 5936 – 000		1	SPRING, LEAF デンキヨク バネ	
29	FB1 – 5938 – 000		1	RING シユウドウ リング	
30	FB1 – 5939 – 000		2	SPRING, LEAF イタ バネ	
31	FB1 – 5940 – 000		1	MOUNT, FIXING ROLLER CLEANING クリーナ ダイ	
32	FB1 – 5941 – 000		1	PLATE クリーナ カアツ バネ	
33	FF2 – 4537 – 000		1	CABLE, BIAS バイアス ケーブル	
35	FH7 – 4255 – 000		1	HEATER,TUNG. – HALOGEN 100V 800W ハロゲン ヒータ	100V
	FH7 – 4256 – 000		1	HEATER,TUNG. – HALOGEN 115V 800W ハロゲン ヒータ	115V
	FH7 – 4297 – 000		1	HEATER,TUNG. – HALOGEN 220V 880W ハロゲン ヒータ	220/240V
36	FH7 – 7156 – 000		1	THERMISTOR サーミスタ	
37	FH7 – 7267 – 000		1	THERMOSWITCH サーモスイッチ	
38	FS1 – 0219 – 000		1	GEAR, 21T 21T ギア	
39	FS1 – 0615 – 000		1	GEAR, 30T 30T ギア	
40	FS3 – 0026 – 000		1	GEAR, 24T 24T ギア	
41	FS3 – 2068 – 000		2	SPRING, COMPRESSION アツシユク バネ	
42	FS5 – 0304 – 000		1	GEAR, 44T 44T ギア	
43	FS5 – 6151 – 000		2	ROLLER, A ツキアテ コロ (A)	
44	WT2 – 5063 – 000		4	CLAMP クランプ	
45	XG9 – 0181 – 000		2	BEARING, BALL ベアリング	
46	XG9 – 0208 – 000		2	BEARING, BALL ボール ベアリング	
47	FF2 – 0175 – 020		1	CLEANER, FIXING ROLLER テイチヤク クリーナ	
47A	FA5 – 3015 – 000		1	CLEANER, FELT テイチヤク クリーナ	

FIGURE 830 FIXING ROLLER CLEANING ASSEMBLY 定着クリーナ部


E58
7
A
18
V15
13
V55
12
20
25
V58
16
19
17
21
11
19
V15
15
E58
1
V55
V58
14
24
E58
9
18
10
V58
2
4
5
15
V15
3
22
V55
6
8
A
E58
23
E58
17
16
V58
23
E58

NOTE : This assembly does not include the part shown with key No. 24.

注 ： このユニットに Key No. 24 の部品は含まれません。

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
830 –	FG5 – 1273 – 000		1	FIXING ROLLER CLEANING ASS'Y テイチヤク クリーナ ブ	NEXT FIGURE 810
1	FF5 – 0985 – 000	N	1	PLATE, REAR ウシロ ソクバン	
2	FA5 – 2986 – 000		1	SHAFT, INPUT ニユウリヨク ジク	
3	FF2 – 0163 – 000		1	SHAFT, OUTPUT シツリヨク ジク	
4	FS3 – 0083 – 000		1	GEAR, 12T 12T ギア	
5	FA5 – 3012 – 020		1	ARM,ONE – WAY,B ワンウエイ アーム (B)	
6	FA3 – 8908 – 000		1	CLEANING BELT, FIXING ROLLER ウエブ	
7	FB1 – 6045 – 000		1	COVER, CLEANING BELT ウエブ カバー	
8	FB1 – 6046 – 000	N	1	PLATE, FRONT マエ ソクバン	
9	FA5 – 2983 – 000		1	ROLLER, PRESSURE,CLEANING BELT ウエブ ローラ	
10	FA5 – 2984 – 000		1	ARM, ONE – WAY ワンウエイ アーム	
11	FA5 – 2987 – 000		1	PLATE, TENSION モドリ ボウシ バン	
12	FA5 – 2988 – 000		1	ROD, PLATE MOUNTING モドリ ボウシ ジク	
13	FB1 – 6048 – 000		1	ARM, LIMIT テイリヨウ オクリ アーム	
14	FS1 – 1401 – 000		1	BUSHING ブツシング	
15	FS1 – 1449 – 000		2	BUSHING ブツシング	
16	FS1 – 1457 – 000		2	BUSHING ブッシング	
17	FS2 – 2325 – 000		2	SPRING, TENSION ヒツパリ バネ	
18	FS2 – 2345 – 000		2	SPRING, TENSION ヒツパリ バネ	
19	FS3 – 0081 – 000		3	GEAR, 15/35T 15/35T ギア	
20	FS3 – 0082 – 000		1	GEAR, 35T 35T ギア	
21	FS3 – 2053 – 000		1	SPRING, TORSION ネジリ バネ	
22	FS5 – 1005 – 000		1	BUSHING ジクウケ	
23	FA3 – 8902 – 000		2	BUSHING ウエブ カイテン ジク (マエ)	
24	FB1 – 6113 – 000		1	COVER, CONNECTOR コネクタ カバー	SEE NOTE
25	XD9 – 0104 – 000		1	PIN, DOWEL ヘイコウ ピン	

FIGURE 910 DC POWER SUPPLY PCB ASSEMBLY(1/3)
DC電源基板 (1/3)

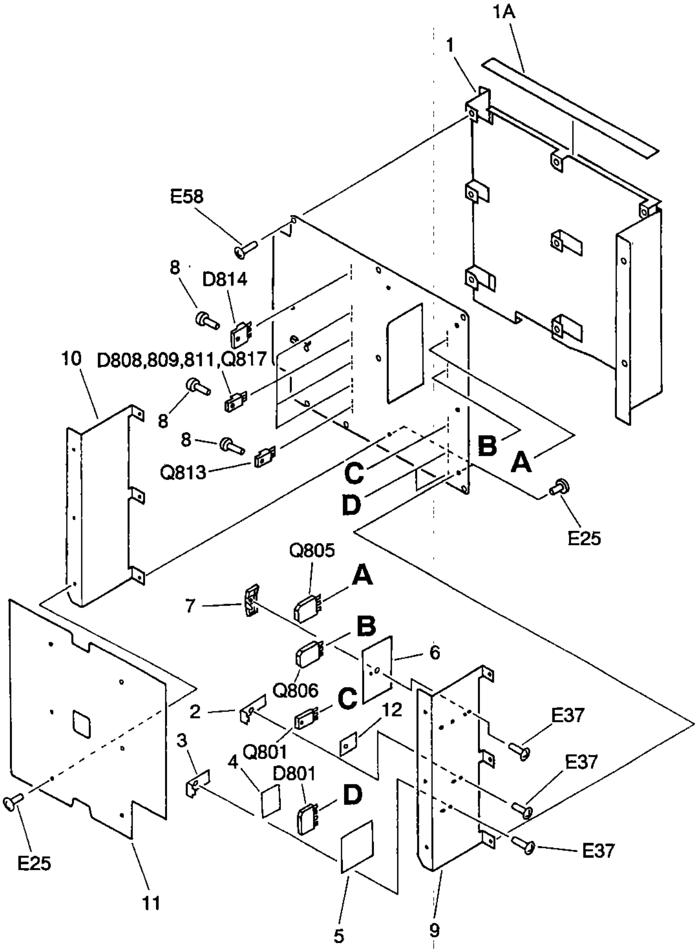

1A
1
E58
8
D814
10
D808,809,811,Q817
8
8
Q813
B
A
C
D
E25
Q805
A
7
B
6
Q806
C
2
12
E37
3
Q801
4
D801
E37
D
E37
E25
11
5
9

FIGURE 910 DC POWER SUPPLY PCB ASSEMBLY($^{2}/_{3}$)

DC電源基板 ($^{2}/_{3}$)

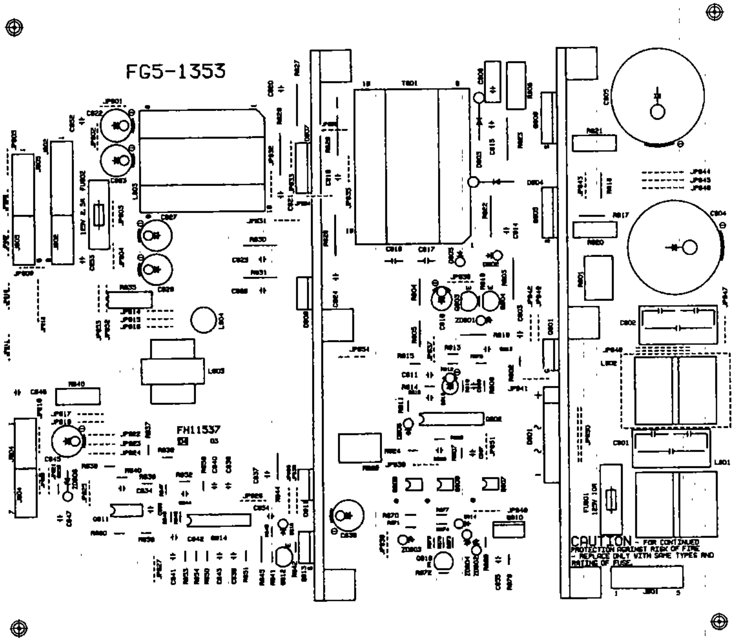

FG5-1353
FH11537
T801
FU802 125V 2.5A
FU801 125V 10A
L801
L803
L804
C801
C802
C804
C805
R817
R820
R821
D804
J801
1
5
CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE
- REPLACE ONLY WITH SAME TYPES AND RATING OF FUSE.

FIGURE 910 DC POWER SUPPLY PCB ASSEMBLY(³/₃)
DC 電源基板 (³/₃)

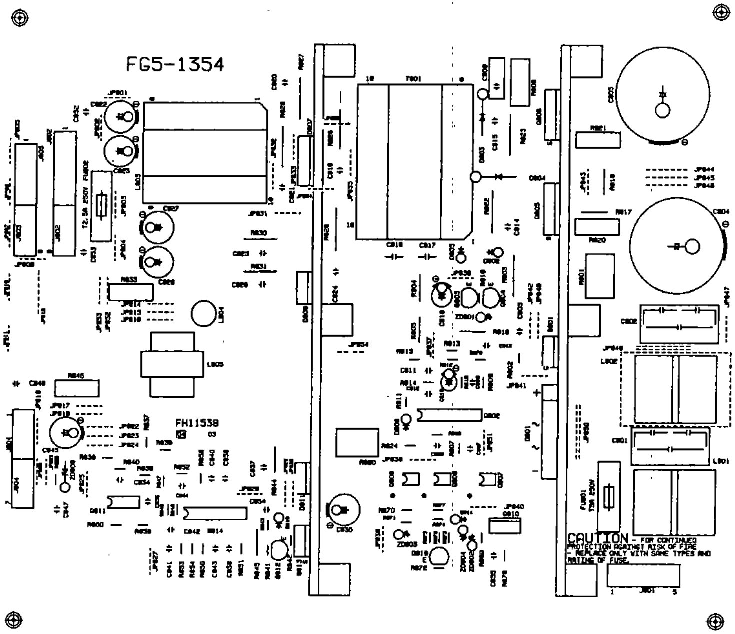

FG5-1354
FH11538
T801
T2.5A 250V
FU802
FU801
T3A 250V
C801
L801
L802
C802
C803
C804
J801
1
5
CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE - REPLACE ONLY WITH SAME TYPES AND RATING OF FUSE.

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER / REMARKS
910 –	FG5 – 1353 – 000		1	DC POWER SUPPLY PCB ASSEMBLY DC デンゲン キバン	100/115V
	FG5 – 1354 – 000		1	DC POWER SUPPLY PCB ASSEMBLY DC デンゲン キバン	220/240V
1	FF5 – 1029 – 000		1	MOUNT, PCB PCB トリツケ バン	
1A	FB1 – 6133 – 000		1	SHEET ビス ラツカ ボウシ シート	
2	FA5 – 2489 – 000		1	PLATE オサエ イタ	
3	FA6 – 5515 – 000		1	PLATE, B オサエ カナグ (B)	
4	FA9 – 2577 – 000		1	SHEET シート	
5	WA9 – 5085 – 000		1	SHEET, INSULATION, B ゼツエン シート (B)	
6	WA9 – 5086 – 000		1	SHEET, INSULATION, C ゼツエン シート (C)	
7	WA9 – 5087 – 000		1	PLATE オサエ カナグ	
8	XB1 – 6300 – 805		4	SCREW,MACH.,PAN HEAD,M3X8 ナベ ネジ	
9	FB1 – 5967 – 000		1	HEATSINK 1 ホウネツ バン (1)	
10	FB1 – 5968 – 000		1	HEATSINK 2 ホウネツ バン (2)	
11	FB1 – 5969 – 000		1	HEATSINK, SUB ホジョ ホウネツ バン	
12	WA9 – 5084 – 000		1	SHEET, INSULATION, A ゼツエン シート (A)	
C801	VC6 – 2560 – 102		1	CAPACITOR, 1000PF, 250V コンデンサ	
C802	VC6 – 2560 – 222		1	CAPACITOR, 2200PF, 250V コンデンサ	
C803	VC7 – 5130 – 103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C804	VC7 – 3920 – 827		1	CAPACITOR, 820UF 250V コンデンサ	100/115V
	VC7 – 3930 – 227		1	CAPACITOR, 220UF 450V コンデンサ	220/240V
C805	VC7 – 3920 – 827		1	CAPACITOR, 820UF 250V コンデンサ	100/115V
	VC7 – 3930 – 227		1	CAPACITOR, 220UF 450V コンデンサ	220/240V
C806	VC6 – 3810 – 223		1	CAPACITOR, 0.022UF, 630V コンデンサ	220/240V
	VC6 – 3820 – 473		1	CAPACITOR, 0.047UF, 400V コンデンサ	100/115V
C807	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C808	VC7 – 5130 – 103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C809	VC7 – 1410 – 391		1	CAPACITOR, 390PF 100V コンデンサ	
C810	VC5 – 7560 – 475		1	CAPACITOR, 4.7UF, 50V コンデンサ	
C811	VC7 – 1410 – 103		1	CAPACITOR, 0.01UF 100V コンデンサ	
C812	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
910 – C813	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C814	VC6 – 0150 – 220		1	CAPACITOR, 22PF 1KV コンデンサ	220/240V
	VC6 – 0150 – 470		1	CAPACITOR, 47PF, 1KV コンデンサ	100/115V
C815	VC6 – 0150 – 220		1	CAPACITOR, 22PF 1KV コンデンサ	220/240V
	VC6 – 0150 – 470		1	CAPACITOR, 47PF, 1KV コンデンサ	100/115V
C816	VC7 – 3980 – 186		1	CAPACITOR, 18UF, 63V コンデンサ	
C817	VC5 – 8110 – 471		1	CAPACITOR, 470PF, 400V コンデンサ	
C818	VC5 – 8110 – 471		1	CAPACITOR, 470PF, 400V コンデンサ	
C819	VC6 – 0160 – 471		1	CAPACITOR, 470PF 50V コンデンサ	
C820	VC7 – 2090 – 102		1	CAPACITOR, 1000PF, 250V コンデンサ	
C821	VC7 – 2090 – 102		1	CAPACITOR, 1000PF, 250V コンデンサ	
C822	VC7 – 3960 – 567		1	CAPACITOR, 560UF 35V コンデンサ	
C823	VC7 – 3960 – 567		1	CAPACITOR, 560UF 35V コンデンサ	
C824	VC6 – 0160 – 471		1	CAPACITOR, 470PF 50V コンデンサ	
C825	VC7 – 2090 – 102		1	CAPACITOR, 1000PF, 250V コンデンサ	
C826	VC7 – 2090 – 102		1	CAPACITOR, 1000PF, 250V コンデンサ	
C827	VC7 – 3960 – 567		1	CAPACITOR, 560UF 35V コンデンサ	
C828	VC7 – 3960 – 567		1	CAPACITOR, 560UF 35V コンデンサ	
C834	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C835	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C836	VC7 – 3960 – 567		1	CAPACITOR, 560UF 35V コンデンサ	
C837	VC7 – 1410 – 221		1	CAPACITOR, 220PF, 100V コンデンサ	
C838	VC7 – 1410 – 472		1	CAPACITOR, 4700PF, 100V コンデンサ	
C839	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C840	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C841	VC6 – 1720 – 222		1	CAPACITOR, 220PF, 50V コンデンサ	
C842	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C843	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C844	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C845	VC7 – 3960 – 567		1	CAPACITOR, 560UF 35V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
910 – C846	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C847	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C852	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C853	VC7 – 5130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C854	VC7 – 1410 – 681		1	CAPACITOR, 680PF, 100V コンデンサ	
C855	VC7 – 5130 – 474		1	CAPACITOR, 0.47UF, 50V コンデンサ	
D801	WA1 – 5245 – 000		1	DIODE, ARRAY, RBV – 1506 ダイオード アレイ	
D802	WA1 – 1123 – 000		1	DIODE, AG01Z ダイオード	
D803	WA1 – 1040 – 000		1	DIODE, RG – 1C ダイオード	220/240V
	WA1 – 1100 – 000		1	DIODE, RG2A ダイオード	100/115V
D804	WA1 – 1040 – 000		1	DIODE, RG – 1C ダイオード	220/240V
	WA1 – 1100 – 000		1	DIODE, RG2A ダイオード	100/115V
D805	WA1 – 1123 – 000		1	DIODE, AG01Z ダイオード	
D806	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D807	WA1 – 5216 – 000		1	DIODE, FMX – 32S ダイオード	
D808	WA1 – 5312 – 000		1	DIODE, FMB – 29L ダイオード	
D810	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D811	WA1 – 5244 – 000		1	DIODE, FMB – G24H ダイオード	
D814	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
FH801	WD9 – 0045 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FH802	WD9 – 0045 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FH803	WD9 – 5003 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FH804	WD9 – 5004 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU801	VD5 – 0245 – 001		1	FUSE, 250V 5A ヒューズ	220/240V
	WD1 – 0288 – 000		1	FUSE, 10A ヒューズ	100/115V
FU802	VD5 – 0242 – 501		1	FUSE, 250V, 2.5A ヒューズ	220/240V
	VD7 – 0212 – 501		1	FUSE, 2.5A, 250V ヒューズ	100/115V
J801	VS1 – 0025 – 005		1	PIN ASSEMBLY, 5P (W) ピン アセンブリ	
J802	VS1 – 0269 – 005		1	PIN ASSEMBLY, 5P ピンアセンブリ	
J804	VS1 – 5414 – 003		1	PIN ASSEMBLY, 3P ピン アセンブリ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
910 – J805	VS1 – 0025 – 004		1	PIN ASSEMBLY, 4P (W) ピン アセンブリ	
J902	VS1 – 0088 – 004		1	PIN ASSEMBLY, 4P ピン アセンブリ	
J904	VS1 – 0088 – 004		1	PIN ASSEMBLY, 4P ピン アセンブリ	
J905	VS1 – 0088 – 004		1	PIN ASSEMBLY, 4P ピン アセンブリ	
L801	WE2 – 5041 – 000		1	INDUCTOR, SC – 10 – D050J インダクタ	
L802	VL5 – 0390 – 086		1	FILTER, NOISE ノイズ フイルタ	220/240V
	WE2 – 0407 – 000		1	FILTER, NOISE ノイズ フイルタ	100/115V
L803	FH3 – 0621 – 000		1	TRANSFORMER トランス	
L804	VL7 – 0310 – 103		1	INDUCTOR, SBC4 – 100 – 292 インダクタ	
L805	VL7 – 0220 – 104		1	INDUCTOR, EY2 – 3 インダクタ	
Q801	WA5 – 5019 – 000		1	THYRISTOR, TF861 サイリスタ	
Q802	WA4 – 5240 – 000		1	REGULATOR, 36V 0.15V レギュレータ	
Q803	WA2 – 0237 – 000		1	TRANSISTOR, 2SC2655Y トランジスタ	
Q804	WA2 – 0236 – 000		1	TRANSISTOR, 2SA1020Y トランジスタ	
Q805	WA2 – 5302 – 000		1	FET, 2SK1411 トランジスタ	100/115V
	WA2 – 5303 – 000		1	FET, 2SK1358 トランジスタ	220/240V
Q806	WA2 – 5302 – 000		1	FET, 2SK1411 トランジスタ	100/115V
	WA2 – 5303 – 000		1	FET, 2SK1358 トランジスタ	220/240V
Q807	WG8 – 0286 – 000		1	PHOTO – COUPLER, TLP621 フオト カプラ	100/115V
	WG8 – 5155 – 000		1	PHOTO – COUPLER, TLP634 フォト カプラ	220/240V
Q808	WG8 – 0286 – 000		1	PHOTO – COUPLER, TLP621 フオト カプラ	100/115V
	WG8 – 5155 – 000		1	PHOTO – COUPLER, TLP634 フォト カプラ	220/240V
Q809	WG8 – 0286 – 000		1	PHOTO – COUPLER, TLP621 フオト カプラ	100/115V
	WG8 – 5155 – 000		1	PHOTO – COUPLER, TLP634 フォト カプラ	220/240V
Q810	WA4 – 5114 – 000		1	IC, SE024N IC	
Q811	WA4 – 0813 – 000		1	IC, HA17358 IC	
Q812	WA2 – 0237 – 000		1	TRANSISTOR, 2SC2655Y トランジスタ	
Q813	WA2 – 5342 – 000		1	MOS – FET, 2SJ175 MOS – FET	
Q814	WA4 – 1071 – 000		1	IC, UPC494C IC	
Q819	WA2 – 0168 – 000		1	TRANSISTOR, 2SA673 トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
910 – R801	VR7 – 2000 – 100		1	RESISTOR, 10 OHM, 7W テイコウ	100/115V
	VR7 – 2720 – 150		1	RESISTOR, 15.3 OHM, 3W テイコウ	220/240V
R802	VR5 – 5510 – 102		1	RESISTOR, 1KOHM 1/4W テイコウ	
R803	VR5 – 2410 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R804	VR5 – 1010 – 104		1	RESISTOR, 100KOHM, 1/2W テイコウ	220/240V
	VR7 – 0560 – 473		1	RESISTOR, 47KOHM, 1/2W テイコウ	100/115V
R805	VR5 – 1010 – 104		1	RESISTOR, 100KOHM, 1/2W テイコウ	220/240V
	VR7 – 0560 – 473		1	RESISTOR, 47KOHM, 1/2W テイコウ	100/115V
R806	VR5 – 8280 – 104		1	RESISTOR, 100KOHM, 5W テイコウ	220/240V
	VR5 – 8280 – 683		1	RESISTOR, 68KOHM, 5W テイコウ	100/115V
R807	VR5 – 5510 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R808	VR5 – 5510 – 153		1	RESISTOR, 15KOHM 1/4W テイコウ	
R809	VR5 – 6372 – 202		1	RESISTOR, 2KOHM 1/4W テイコウ	
R810	VR5 – 6372 – 202		1	RESISTOR, 2KOHM 1/4W テイコウ	
R811	VR5 – 5510 – 102		1	RESISTOR, 1KOHM 1/4W テイコウ	
R812	VR5 – 6373 – 600		1	RESISTOR, 360 OHM, 1/4W テイコウ	100/115V
	VR5 – 6374 – 300		1	RESISTOR, 430 OHM, 1/4W テイコウ	220/240V
R813	VR5 – 6373 – 600		1	RESISTOR, 360 OHM, 1/4W テイコウ	100/115V
	VR5 – 6374 – 300		1	RESISTOR, 430 OHM, 1/4W テイコウ	220/240V
R814	VR5 – 6375 – 109		1	RESISTOR, 51 OHM 1/4W テイコウ	
R815	VR5 – 5510 – 223		1	RESISTOR, 22KOHM, 1/4W テイコウ	
R816	VR7 – 0560 – 390		1	RESISTOR, 39 OHM 1/2W テイコウ	
R817	VR5 – 6870 – 220		1	RESISTOR, 22 OHM, 1/4W テイコウ	
R818	VR5 – 6870 – 220		1	RESISTOR, 22 OHM, 1/4W テイコウ	
R819	VR5 – 5510 – 104		1	RESISTOR, 100KOHM 1/4W テイコウ	
R820	VR5 – 8280 – 683		1	RESISTOR, 68KOHM, 5W テイコウ	100/115V
	VR9 – 5102 – 000		1	RESISTOR, 0.33 OHM 5W テイコウ	220/240V
R821	VR9 – 5099 – 000		1	RESISTOR, 0.15 OHM 5W テイコウ	100/115V
	VR9 – 5102 – 000		1	RESISTOR, 0.33 OHM 5W テイコウ	220/240V
R822	VR5 – 6020 – 221		1	RESISTOR, 220 OHM 2W テイコウ	100/115V

FIGURE & KEY NO.		PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
910 –	R822	VR5 – 6020 – 471		1	RESISTOR, 470 OHM 2W テイコウ	220/240V
	R823	VR5 – 6020 – 221		1	RESISTOR, 220 OHM 2W テイコウ	100/115V
		VR5 – 6020 – 471		1	RESISTOR, 470 OHM 2W テイコウ	220/240V
	R824	VR5 – 5510 – 153		1	RESISTOR, 15KOHM 1/4W テイコウ	
	R826	VR5 – 6030 – 330		1	RESISTOR, 33 OHM 3W テイコウ	
	R827	VR5 – 6020 – 180		1	RESISTOR, 18 OHM, 2W テイコウ	
	R828	VR5 – 6020 – 180		1	RESISTOR, 18 OHM, 2W テイコウ	
	R829	VR5 – 6020 – 680		1	RESISTOR, 68 OHM 2W テイコウ	
	R830	VR5 – 6630 – 680		1	RESISTOR, 68 OHM 1W テイコウ	
	R831	VR5 – 6630 – 680		1	RESISTOR, 68 OHM 1W テイコウ	
	R835	VR9 – 3649 – 000		1	RESISTOR, 0.03 OHM, 2W テイコウ	
	R836	VR5 – 6377 – 500		1	RESISTOR, 750 OHM, 1/4W テイコウ	
	R837	VR5 – 6377 – 500		1	RESISTOR, 750 OHM, 1/4W テイコウ	
	R838	VR5 – 6373 – 302		1	RESISTOR, 33KOHM, 1/4W テイコウ	
	R839	VR5 – 6373 – 302		1	RESISTOR, 33KOHM, 1/4W テイコウ	
	R840	VR5 – 5510 – 105		1	RESISTOR, 1MOHM 1/4W テイコウ	
	R841	VR5 – 5510 – 162		1	RESISTOR, 1.6KOHM 1/4W テイコウ	
	R842	VR5 – 5510 – 361		1	RESISTOR, 360 OHM 1/4W テイコウ	
	R843	VR5 – 5510 – 562		1	RESISTOR, 5.6KOHM 1/4W テイコウ	
	R844	VR5 – 1010 – 100		1	RESISTOR, 10 OHM, 1/2W テイコウ	
	R845	VR7 – 0560 – 181		1	RESISTOR, 180 OHM 1/2W テイコウ	
	R846	VR9 – 3649 – 000		1	RESISTOR, 0.03 OHM, 2W テイコウ	
	R847	VR5 – 6371 – 021		1	RESISTOR, 1.02KOHM, 1/4W テイコウ	
	R848	VR5 – 6371 – 001		1	RESISTOR, 1KOHM, 1/4W テイコウ	
	R849	VR5 – 6378 – 452		1	RESISTOR, 84.5KOHM, 1/4W テイコウ	
	R850	VR5 – 6373 – 092		1	RESISTOR, 30.9KOHM, 1/4W テイコウ	
	R851	VR5 – 6372 – 701		1	RESISTOR, 2.7KOHM 1/4W テイコウ	
	R852	VR5 – 5510 – 102		1	RESISTOR, 1KOHM 1/4W テイコウ	
	R853	VR5 – 5510 – 105		1	RESISTOR, 1MOHM 1/4W テイコウ	
	R854	VR5 – 5510 – 153		1	RESISTOR, 15KOHM 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
910 – R855	VR5 – 5510 – 301		1	RESISTOR, 300 OHM 1/4W テイコウ	
R856	VR5 – 5510 – 102		1	RESISTOR, 1KOHM 1/4W テイコウ	
R859	VR5 – 5510 – 182		1	RESISTOR, 1.8KOHM, 1/4W テイコウ	220/240V
	VR5 – 6373 – 302		1	RESISTOR, 33KOHM, 1/4W テイコウ	100/115V
R860	VR5 – 5510 – 105		1	RESISTOR, 1MOHM 1/4W テイコウ	
R869	VR5 – 6373 – 001		1	RESISTOR, 3KOHM 1/4W テイコウ	
R870	VR5 – 5510 – 102		1	RESISTOR, 1KOHM 1/4W テイコウ	
R871	VR5 – 5510 – 102		1	RESISTOR, 1KOHM 1/4W テイコウ	
R872	VR5 – 5510 – 122		1	RESISTOR, 1.2KOHM, 1/4W テイコウ	
R873	VR5 – 5510 – 331		1	RESISTOR, 330 OHM 1/4W テイコウ	
R874	VR5 – 5510 – 470		1	RESISTOR, 47 OHM 1/4W テイコウ	
R875	VR5 – 5510 – 470		1	RESISTOR, 47 OHM 1/4W テイコウ	
R876	VR5 – 5510 – 470		1	RESISTOR, 47 OHM 1/4W テイコウ	
R877	VR5 – 5510 – 562		1	RESISTOR, 5.6KOHM 1/4W テイコウ	
R878	VR5 – 5510 – 471		1	RESISTOR, 470 OHM, 1/4W テイコウ	
R879	VR5 – 6371 – 000		1	RESISTOR, 100 OHM 1/4W テイコウ	
R880	VR7 – 0570 – 101		1	RESISTOR, 100 OHM, 5W テイコウ	
T801	FH3 – 0619 – 000		1	TRANSFORMER トランス	100/115V
	FH3 – 0620 – 000		1	TRANSFORMER トランス	220/240V
ZD801	WA1 – 1063 – 000		1	DIODE, ZENER, HZS27 – 2 ツェナー ダイオード	
ZD802	WA1 – 1063 – 000		1	DIODE, ZENER, HZS27 – 2 ツェナー ダイオード	
ZD803	WA1 – 1001 – 000		1	DIODE, ZENER, HZS15 – 2 ツエナー ダイオード	
ZD804	WA1 – 1181 – 000		1	DIODE, ZENER, HZS5.6EB3 ツェナー ダイオード	
ZD806	WA1 – 0576 – 000		1	DIODE, ZENER, HZ6 ツェナー ダイオード	

FIGURE 911 FUSE CIRCUIT PCB ASSEMBLY
ヒューズ回路基板

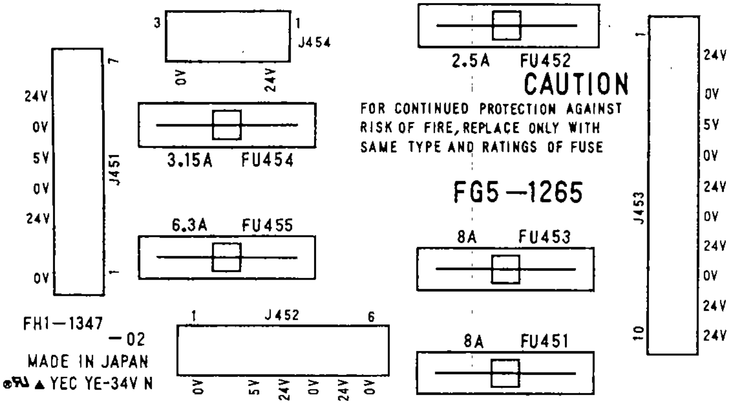
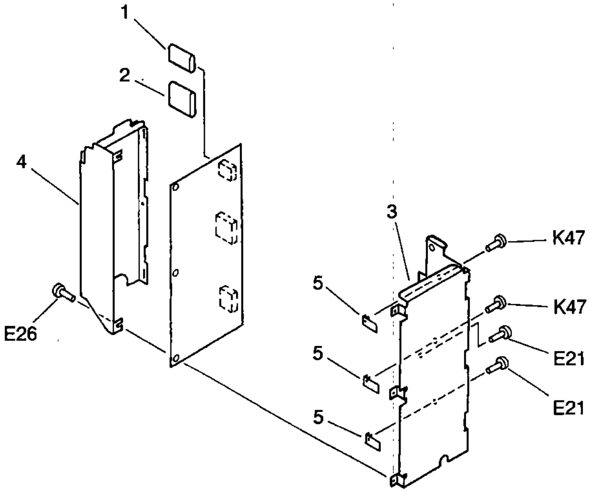
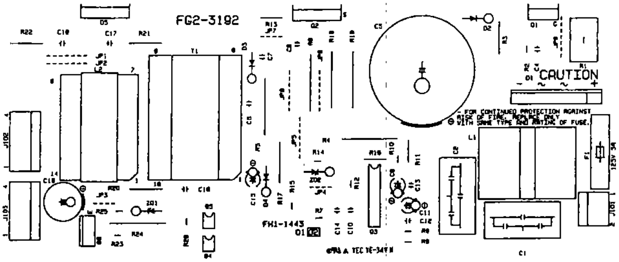

3
1
J454
0V
24V
2.5A FU452
CAUTION
FOR CONTINUED PROTECTION AGAINST
RISK OF FIRE, REPLACE ONLY WITH
SAME TYPE AND RATINGS OF FUSE
7
24V
0V
5V
0V
24V
0V
1
J451
3.15A FU454
6.3A FU455
FG5-1265
8A FU453
8A FU451
1
J453
10
24V
0V
5V
0V
24V
0V
24V
0V
24V
24V
FH1-1347
-02
MADE IN JAPAN
▲ YEC YE-34V N
1
J452
6
0V
5V
24V
0V
24V
0V

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
911 –	FG5 – 1265 – 000		1	FUSE PCB ASSEMBLY ヒューズ カイロキバン	
FU451	VD5 – 0068 – 001		1	FUSE, 125V, 8A ヒューズ	
FU451L	WD9 – 5003 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU451R	WD9 – 5004 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU452	VD5 – 0062 – 501		1	FUSE, 125V, 2.5A ヒューズ	
FU452L	WD9 – 5003 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU452R	WD9 – 5004 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU453	VD5 – 0068 – 001		1	FUSE, 125V, 8A ヒューズ	
FU453L	WD9 – 5003 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU453R	WD9 – 5004 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU454	VD5 – 0063 – 151		1	FUSE, 125V, 3.15A ヒューズ	
FU454L	WD9 – 5003 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU454R	WD9 – 5004 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU455	VD5 – 0066 – 301		1	FUSE, 125V, 6.5A ヒューズ	
FU455L	WD9 – 5003 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
FU455R	WD9 – 5004 – 000		1	HOLDER, FUSE ヒューズ ホルダ	
J451A	VS1 – 0025 – 003		1	PIN ASSEMBLY, 3P ピン アセンブリ	
J451B	VS1 – 0088 – 004		1	PIN ASSEMBLY, 4P ピン アセンブリ	
J452	VS1 – 0025 – 006		1	PIN ASSEMBLY, 6P (W) ピン アセンブリ	
J453A	VS1 – 0025 – 005		1	PIN ASSEMBLY, 5P (W) ピン アセンブリ	
J453B	VS1 – 0088 – 005		1	PIN ASSEMBLY, 5P ピン アセンブリ	
J454	VS1 – 0026 – 003		1	PIN ASSEMBLY, 3P ピン アセンブリ	

FIGURE 914 DC POWER SUPPLY PCB ASSEMBLY (DF/SORTER)
DC電源基板（DF／ソータ）


1
2
3
4
5
5
5
K47
K47
E21
E21
E26


FG2-3192
D5
Q2
C5
D2
Q1
R22
C18
C17
R21
T1
R13
JP7
L2
J102
J103
R3
R1
R2
C4
D1
CAUTION
- FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.
L1
F1
125V 5A
J101
C2
C1
R4
R14
R16
R10
R11
R12
ZD2
JP4
R7
C14
C10
Q3
C11
C12
R8
R9
C16
C19
R20
JP3
ZD1
R25
R24
R23
R5
R6
D3
D4
C13
R15
R17
FH1-1443
D1
Q2

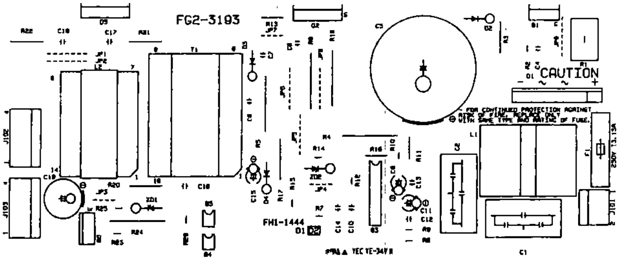

FG2-3193
D5
Q2
C5
D2
Q1
R22
C18
C17
R21
T1
R13
JP7
L2
J102
J103
R3
R1
R2
C4
D1
CAUTION
- FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.
L1
F1
250V T3.15A
J101
C2
C1
R4
R14
R16
R10
R11
R12
ZD2
JP4
R7
C14
C10
Q3
C11
C12
R8
R9
C16
C19
R20
JP3
ZD1
R25
R24
R23
R5
R6
D3
D4
C15
R15
R17
FH1-1444
D1
Q2

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
914 –	FG5 – 1266 – 000		1	DC POWER SUPPLY PCB ASSEMBLY DC デンゲン キバン	DF/SORTER 100/115V
	FG5 – 1267 – 000		1	DC POWER SUPPLY PCB ASSEMBLY DC デンゲン キバン	DF/SORTER 220/240V
1	FH7 – 8556 – 000		1	SHEET, INSULATION ゼツエン シート	
2	RH7 – 8035 – 000		1	SHEET, INSULATION ゼツエン シート	
3	FB1 – 6165 – 000		1	MOUNT, DC POWER SUPPLY APC デンゲン トリツケバン	
4	FB1 – 6166 – 000		1	PLATE, SHIELD シールド バン	
5	FE9 – 0148 – 000		3	PLATE オサエ イタ	
C 1	VC6 – 2560 – 102		1	CAPACITOR, 1000PF, 250V コンデンサ	
C 2	VC6 – 2560 – 222		1	CAPACITOR, 2200PF, 250V コンデンサ	
C 4	VC3 – 2501 – 103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C 5	VC7 – 3470 – 128		1	CAPACITOR, 1200UF, 250V コンデンサ	100/115V
	VC7 – 3480 – 397		1	CAPACITOR, 390UF,450V コンデンサ	220/240V
C 6	VC6 – 0160 – 222		1	CAPACITOR, 2200PF, 500V コンデンサ	220/240V
	VC7 – 2090 – 472		1	CAPACITOR, 4700PF, 250V コンデンサ	100/115V
C 7	VC6 – 0150 – 101		1	CAPACITOR, 100PF, 1KV コンデンサ	
C 8	VC6 – 0150 – 101		1	CAPACITOR, 100PF, 1KV コンデンサ	220/240V
	VC6 – 0150 – 221		1	CAPACITOR, 220PF, 1KV コンデンサ	100/115V
C 9	VC5 – 4400 – 475		1	CAPACITOR, 50V, 4.7UF コンデンサ	
C 10	VC6 – 1130 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C 11	VC5 – 4400 – 475		1	CAPACITOR, 50V, 4.7UF コンデンサ	
C 12	VC4 – 2502 – 391		1	CAPACITOR, 390PF, 50V コンデンサ	
C 13	VC3 – 2501 – 103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C 14	VC3 – 2501 – 103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C 15	VC7 – 3570 – 156		1	CAPACITOR, 15UF, 63V コンデンサ	
C 16	VC7 – 2090 – 471		1	CAPACITOR, 470PF, 250V コンデンサ	
C 17	VC7 – 2090 – 471		1	CAPACITOR, 470PF, 250V コンデンサ	
C 18	VC7 – 2090 – 471		1	CAPACITOR, 470PF, 250V コンデンサ	
C 19	VC7 – 3460 – 108		1	CAPACITOR, 1000UF, 35V コンデンサ	
D 1	WA1 – 1039 – 000		1	DIODE, RBV – 604 ダイオード	100/115V
	WA1 – 5149 – 000		1	DIODE, RBV406M ダイオード	220/240V

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
914 – D 2	WA1 – 5069 – 000		1	DIODE, EG01Z ダイオード	
D 3	WA1 – 5148 – 000		1	DIODE, EG01A ダイオード	100/115V
	WA1 – 5183 – 000		1	DIODE, EP01C ダイオード	220/240V
D 4	WA1 – 5069 – 000		1	DIODE, EG01Z ダイオード	
D 5	WA1 – 5216 – 000		1	DIODE, FMX – 32S ダイオード	
F 1	VD5 – 0243 – 151		1	FUSE, 250V, 3.15A ヒューズ	220/240V
	VD7 – 0215 – 001		1	FUSE, 125V, 5A ヒューズ	100/115V
J101	VS1 – 0026 – 002		1	PIN ASSEMBLY, 2P ピン アセンブリ	
J102	VS1 – 0025 – 004		1	PIN ASSEMBLY, 4P (W) ピン アセンブリ	
J103	VS1 – 0025 – 004		1	PIN ASSEMBLY, 4P (W) ピン アセンブリ	
L 1	VL5 – 0390 – 036		1	FILTER, NOISE ノイズ フイルタ	100/115V
	VL5 – 0390 – 086		1	FILTER, NOISE ノイズ フイルタ	220/240V
L 2	FH3 – 0608 – 000		1	COIL, CHOKE, 90UH, 11A チヨーク コイル	
Q 1	WA5 – 0107 – 000		1	THYRISTOR, TF861SL サイリスタ	
Q 2	WA2 – 5302 – 000		1	FET, 2SK1411 トランジスタ	100/115V
	WA2 – 5303 – 000		1	FET, 2SK1358 トランジスタ	220/240V
Q 3	WA4 – 5240 – 000		1	REGULATOR, 36V 0.15V レギュレータ	
Q 4	WG8 – 0286 – 000		1	PHOTO – COUPLER, TLP621 フオト カプラ	
Q 5	WG8 – 0286 – 000		1	PHOTO – COUPLER, TLP621 フオト カプラ	
Q 6	WA4 – 5114 – 000		1	IC, SE024N IC	
R 1	VR7 – 2000 – 100		1	RESISTOR, 10 OHM, 7W テイコウ	100/115V
	VR7 – 2000 – 150		1	RESISTOR, 15 OHM, 7W テイコウ	220/240V
R 2	VR5 – 3680 – 102		1	RESISTOR, 1KOHM, 1/4W テイコウ	
R 3	VR7 – 0550 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R 4	VR5 – 6030 – 204		1	RESISTOR, 200KOHM, 3W テイコウ	220/240V
	VR5 – 7960 – 473		1	RESISTOR, 47KOHM, 3W テイコウ	100/115V
R 5	VR5 – 7960 – 223		1	RESISTOR, 22KOHM, 3W テイコウ	100/115V
	VR5 – 7960 – 823		1	RESISTOR, 82KOHM, 3W テイコウ	220/240V
R 6	VR5 – 7960 – 331		1	RESISTOR, 330 OHM, 3W テイコウ	
R 7	VR5 – 3680 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
914 – R 8	VR5 – 6412 – 202		1	RESISTOR, 22KOHM, 1/4W テイコウ	
R 9	VR5 – 6412 – 202		1	RESISTOR, 22KOHM, 1/4W テイコウ	
R 10	VR5 – 6411 – 240		1	RESISTOR, 124 OHM, 1/4W テイコウ	
R 11	VR5 – 6870 – 101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
R 12	VR5 – 3680 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 13	VR5 – 6870 – 100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R 14	VR5 – 3680 – 104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R 15	VR5 – 3680 – 273		1	RESISTOR, 27KOHM, 1/4W テイコウ	
R 16	VR5 – 6870 – 330		1	RESISTOR, 33 OHM, 1/4W テイコウ	
R 17	VR5 – 4030 – 104		1	RESISTOR, 100KOHM, 1W テイコウ	100/115V
	VR5 – 4030 – 204		1	RESISTOR, 200KOHM, 1W テイコウ	220/240V
R 18	VR9 – 5091 – 000		1	RESISTOR, 0.1 OHM, 2W テイコウ	
R 19	VR9 – 5091 – 000		1	RESISTOR, 0.1 OHM, 2W テイコウ	100/115V
R 20	VR5 – 4590 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R 21	VR7 – 0550 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R 22	VR7 – 0550 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R 23	VR5 – 3680 – 272		1	RESISTOR, 2.7KOHM, 1/4W テイコウ	
R 24	VR5 – 7960 – 681		1	RESISTOR, 680 OHM, 3W テイコウ	
R 25	VR5 – 3680 – 470		1	RESISTOR, 47 OHM 1/4W テイコウ	
R 26	VR5 – 3680 – 101		1	RESISTOR, 100 OHM, 1/4W テイコウ	
T 1	FH3 – 0578 – 000		1	TRANSFORMER トランス	100/115V
	FH3 – 0579 – 000		1	TRANSFORMER トランス	220/240V
ZD 1	WA1 – 0729 – 000		1	DIODE, ZENER, HZ27 – 2 ツエナー ダイオード	
ZD 2	WA1 – 0729 – 000		1	DIODE, ZENER, HZ27 – 2 ツエナー ダイオード	

FIGURE 930 DC CONTROLLER PCB ASSEMBLY(1/2)
DC コントローラ回路基板 (1/2)

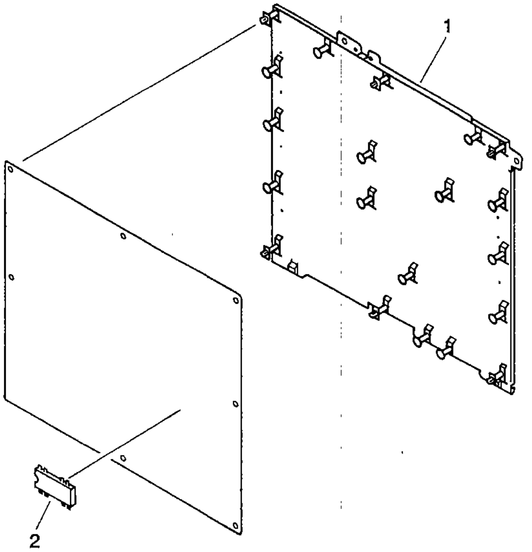


FIGURE 930 DC CONTROLLER PCB ASSEMBLY($^2/_2$)
DC コントローラ回路基板 ($^2/_2$)

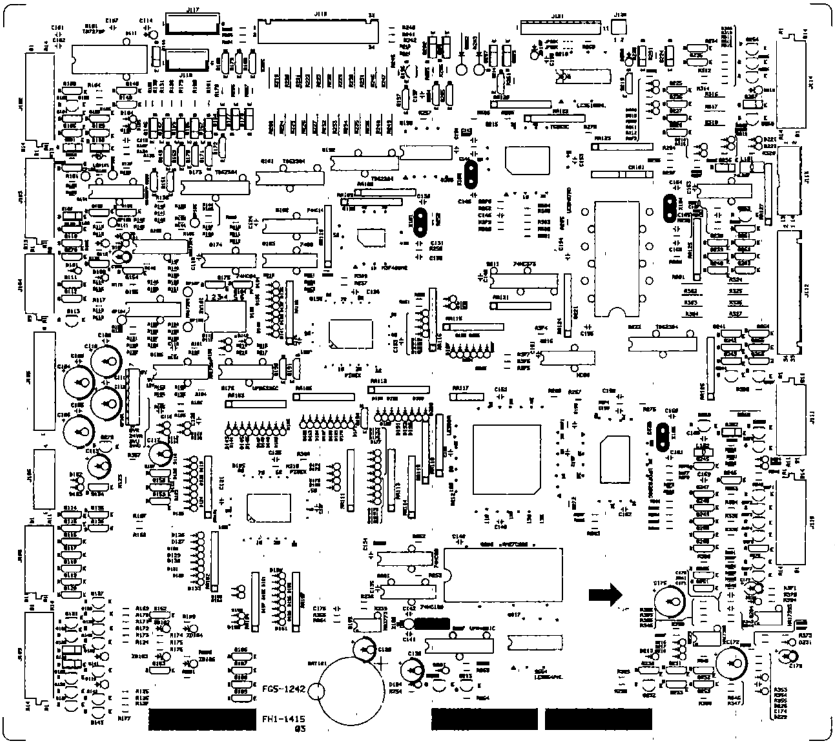

J117
J118
J121
J120
FGS-1242
FH1-1415
03

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 –	FG5 – 1242 – 080		1	DC CONTROLLER PCB ASSEMBLY DC コントローラ カイロキバン	JAPANESE
	FG5 – 1243 – 080		1	DC CONTROLLER PCB ASSEMBLY DC コントローラ カイロキバン	ENGLISH
	FG5 – 1246 – 080		1	DC CONTROLLER PCB ASSEMBLY DC コントローラ カイロキバン	FRENCH
	FG5 – 1247 – 080		1	DC CONTROLLER PCB ASSEMBLY DC コントローラ カイロキバン	GERMAN
1	FF5 – 1027 – 000		1	MOUNT, PCB キバン トリツケ イタ	
2	FF2 – 5970 – 100		1	PROM, AM27C020 PROM	Q206 JAPANESE
	FF2 – 5971 – 100		1	PROM, AM27C020 PROM	Q206 ENGLISH
	FF2 – 5972 – 100		1	PROM. AM27C020 PROM	Q206 FRENCH
	FF2 – 5973 – 100		1	PROM. AM27C020 PROM	Q206 GERMAN
C101	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C102	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C103	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C104	VC1 – 2351 – 107		1	ELECT.CAPACITOR, 100UF, 35V コンデンサ	
C105	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C106	VC1 – 2501 – 107		1	CAPACITOR, 100UF, 50V コンデンサ	
C107	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C108	VC1 – 2101 – 337		1	CAPACITOR, 330UF/10V コンデンサ	
C109	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C110	VC1 – 2161 – 107		1	CAPACITOR, 100UF, 16V コンデンサ	
C111	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C112	VC1 – 2501 – 107		1	CAPACITOR, 100UF, 50V コンデンサ	
C113	VC1 – 2101 – 226		1	CAPACITOR, 22UF, 10V コンデンサ	
C114	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C115	VC4 – 3503 – 101		1	CAPACITOR, 100PF, 50V コンデンサ	
C116	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C117	VC1 – 2101 – 226		1	CAPACITOR, 22UF, 10V コンデンサ	
C118	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C119	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C120	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C121	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – C124	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C125	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C126	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C127	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C128	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C129	VC1 – 2501 – 474		1	CAPACITOR, 0.47UF, 50V コンデンサ	
C130	VC4 – 2502 – 330		1	CAPACITOR, 33PF, 50V コンデンサ	
C131	VC4 – 2502 – 330		1	CAPACITOR, 33PF, 50V コンデンサ	
C132	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C133	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C134	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C135	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C136	VC6 – 5910 – 476		1	CAPACITOR, 47UF, 16V コンデンサ	
C137	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C138	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C139	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C140	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C141	VC5 – 1940 – 220		1	CAPACITOR, 22PF, 50V コンデンサ	
C142	VC5 – 1940 – 220		1	CAPACITOR, 22PF, 50V コンデンサ	
C143	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C144	VC4 – 2502 – 330		1	CAPACITOR, 33PF, 50V コンデンサ	
C145	VC4 – 2502 – 330		1	CAPACITOR, 33PF, 50V コンデンサ	
C146	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C148	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C149	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C150	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C151	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C152	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C153	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C154	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – C155	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C156	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C157	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C158	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C159	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C160	VC4 – 2502 – 150		1	CAPACITOR, 15PF, 50V コンデンサ	
C161	VC4 – 2502 – 150		1	CAPACITOR, 15PF, 50V コンデンサ	
C162	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C163	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C164	VC4 – 2502 – 100		1	CAPACITOR, 10PF, 50V コンデンサ	
C165	VC4 – 2502 – 100		1	CAPACITOR, 10PF, 50V コンデンサ	
C166	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C167	VC4 – 3503 – 221		1	CAPACITOR, 220PF, 50V コンデンサ	
C168	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C169	VC4 – 3503 – 101		1	CAPACITOR, 100PF, 50V コンデンサ	
C170	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C171	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C172	VC7 – 4230 – 477		1	CAPACITOR, 470UF, 10V コンデンサ	
C174	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C175	VC1 – 2101 – 337		1	CAPACITOR, 330UF/10V コンデンサ	
C176	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C177	VC1 – 2101 – 106		1	CAPACITOR, 10UF, 10V コンデンサ	
C178	VC1 – 2101 – 106		1	CAPACITOR, 10UF, 10V コンデンサ	
CA101	FH4 – 9058 – 000		1	CAPACITOR, ARRAY, 1000PX8 コンデンサ アレイ	
CP101	VS1 – 5137 – 007		1	CONNECTOR, 7P コネクタ	
D101	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D102	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D103	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D104	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D105	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – D106	WA1 – 0972 – 000		1	DIODE, S5688B ダイオード	
D107	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D108	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D109	WA1 – 0972 – 000		1	DIODE, S5688B ダイオード	
D110	WA1 – 0972 – 000		1	DIODE, S5688B ダイオード	
D111	WA1 – 0972 – 000		1	DIODE, S5688B ダイオード	
D112	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D113	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D114	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D115	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D116	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D117	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D118	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D119	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D120	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D121	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D122	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D123	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D124	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D125	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D126	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D127	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D128	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D129	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D130	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D131	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D132	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D133	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D134	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D135	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – D136	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D137	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D138	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D139	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D140	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D141	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D142	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D143	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D144	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D145	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D146	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D147	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D148	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D149	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D150	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D151	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D152	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D153	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D154	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D155	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D156	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D157	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D158	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D159	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D160	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D161	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D162	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D163	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D164	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D165	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – D166	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D167	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D168	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D169	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D170	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D171	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D172	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D173	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D174	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D175	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D176	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D177	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D178	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D179	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D180	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D181	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D182	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D183	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D184	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D185	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D186	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D187	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D188	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D189	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D190	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D191	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D192	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D193	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D194	WA1 – 1135 – 000		1	DIODE, 1SS286 ダイオード	
D195	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – D196	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D197	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D198	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D199	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D200	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D201	WA1 – 1135 – 000		1	DIODE, 1SS286 ダイオード	
D202	WA1 – 0043 – 000		1	DIODE, 3BZ61 ダイオード	
D203	WA1 – 0043 – 000		1	DIODE, 3BZ61 ダイオード	
D204	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D205	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D206	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D207	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D208	WA1 – 0972 – 000		1	DIODE, S5688B ダイオード	
D209	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D210	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D211	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D212	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D213	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D214	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D215	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D216	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D217	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D218	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D219	WA1 – 0972 – 000		1	DIODE, S5688B ダイオード	
D220	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D221	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D222	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D223	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D224	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D225	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – D228	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D229	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D230	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D231	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D232	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
D233	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
DL101	WK3 – 0181 – 000		1	DELAY LINE ディレイ ライン	
J102	VS1 – 5328 – 028		1	PIN ASSEMBLY, 28P ピン アセンブリ	
J103	VS1 – 5328 – 026		1	PIN ASSEMBLY, 26P ピン アセンブリ	
J104	VS1 – 5328 – 018		1	PIN ASSEMBLY, 18P ピン アセンブリ	
J105	VS1 – 0025 – 008		1	PIN ASSEMBLY, 8P ピン アセンブリ	
J106	VS1 – 0025 – 004		1	PIN ASSEMBLY, 4P (W) ピン アセンブリ	
J108	VS1 – 5328 – 022		1	PIN ASSEMBLY, 22P ピン アセンブリ	
J109	VS1 – 5328 – 028		1	PIN ASSEMBLY, 28P ピン アセンブリ	
J110	VS1 – 5328 – 028		1	PIN ASSEMBLY, 28P ピン アセンブリ	
J111	VS1 – 5328 – 022		1	PIN ASSEMBLY, 22P ピン アセンブリ	
J112	VS1 – 5031 – 034		1	CONNECTOR, 34P コネクタ	
J113	VS1 – 0447 – 014		1	CONNECTOR, 14P コネクタ	
J114	VS1 – 5328 – 022		1	PIN ASSEMBLY, 22P ピン アセンブリ	
J117	VS1 – 1028 – 008		1	PIN ASSEMBLY, 8P ピン アセンブリ	
J118	VS1 – 1028 – 006		1	PIN ASSEMBLY, 6P ピン アセンブリ	
J119	VS1 – 5031 – 034		1	CONNECTOR, 34P コネクタ	
J120	WS3 – 0580 – 000		1	PIN ASSEMBLY, 2P ピン アセンブリ	
J121	VS1 – 5137 – 011		1	CONNECTOR, 11P コネクタ	
L101	WE2 – 0411 – 000		1	INDUCTOR, SBT – 0460 インダクタ	
L102	VL5 – 0740 – 223		1	INDUCTOR, LAL02TB220K インダクタ	
LED101	WG1 – 0373 – 000		1	LED, SEL2110R LED	
Q101	WA4 – 1032 – 000		1	TRANSISTOR, TA7279P トランジスタ	
Q102	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q103	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – Q104	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q105	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q108	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q109	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q110	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q111	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q113	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q114	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q115	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q116	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q117	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q118	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q119	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q120	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q121	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q122	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q123	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q124	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q125	WA2 – 0285 – 000		1	TRANSISTOR, 2SD667AC トランジスタ	
Q126	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q127	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q128	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q129	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q130	WA2 – 0808 – 000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q131	WA4 – 0232 – 000		1	IC, M54567P IC	
Q132	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q133	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q134	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q135	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q136	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – Q137	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q138	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q139	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q140	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q141	WA2 – 0285 – 000		1	TRANSISTOR, 2SD667AC トランジスタ	
Q142	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q143	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q144	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q145	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q146	WA2 – 0808 – 000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q147	WA2 – 0808 – 000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q148	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q149	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q150	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q151	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q152	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q153	WA4 – 0534 – 000		1	IC, OP AMP, 324 IC	
Q154	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q155	WA4 – 0534 – 000		1	IC, OP AMP, 324 IC	
Q156	WA4 – 0534 – 000		1	IC, OP AMP, 324 IC	
Q157	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q158	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q159	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q162	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q163	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q164	WA2 – 0863 – 000		1	TRANSISTOR トランジスタ	
Q165	WA2 – 0808 – 000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q166	WA2 – 0808 – 000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q167	WA2 – 0808 – 000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q168	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – Q169	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q170	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q171	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q172	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q173	WA4 – 1105 – 000		1	TRANSISTOR ARRAY, TD62304P トランジスタ アレイ	
Q174	WA3 – 1888 – 000		1	IC, TC74HC04P IC	
Q175	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q176	WA4 – 1087 – 000		1	D/A CONVERTER, UPD6326C D/A コンバータ	
Q177	WA2 – 0863 – 000		1	TRANSISTOR トランジスタ	
Q178	WA2 – 0863 – 000		1	TRANSISTOR トランジスタ	
Q179	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q180	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q181	WA4 – 1105 – 000		1	TRANSISTOR ARRAY, TD62304P トランジスタ アレイ	
Q182	WA3 – 1982 – 000		1	IC, 2SD1098L IC	
Q183	WA3 – 1118 – 000		1	IC, HD7438P IC	
Q184	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q185	FH4 – 5347 – 000		1	GATE ARRAY, UPD65013GF – C26 ゲート アレイ	
Q186	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q187	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q188	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q189	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q190	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q191	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q192	WA4 – 1105 – 000		1	TRANSISTOR ARRAY, TD62304P トランジスタ アレイ	
Q193	FH4 – 5347 – 000		1	GATE ARRAY, UPD65013GF – C26 ゲート アレイ	
Q194	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q195	WA4 – 0672 – 000		1	IC, MB3773 IC	
Q196	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q197	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q198	WA3 – 4360 – 000		1	IC, CMOS, TMP82C55AM – 10 IC	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – Q199	WA3 – 4330 – 000		1	LSI, M37409M2 – 051FP LSI	
Q200	WA3 – 1983 – 000		1	IC, TC74HC08P IC	
Q201	WA3 – 1832 – 000		1	HC, 139P IC	
Q202	WA2 – 0863 – 000		1	TRANSISTOR トランジスタ	
Q203	WA2 – 0863 – 000		1	TRANSISTOR トランジスタ	
Q204	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q205	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q206	WA9 – 5027 – 000		1	SOCKET, IC, 32P IC ソケット	
Q207	WA3 – 6018 – 000		1	IC, UPD4991ACX IC	
Q208	WA2 – 0135 – 000		1	TRANSISTOR, 2SA1015Y トランジスタ	
Q209	WA2 – 0863 – 000		1	TRANSISTOR トランジスタ	
Q211	WA3 – 2100 – 000		1	IC, TC74HC373P IC	
Q212	FH4 – 5354 – 000		1	GATE ARRAY, HG62F22R09FH ゲート アレイ	
Q213	WA2 – 0124 – 000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q214	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q215	WA3 – 2599 – 000		1	IC, T6963C IC	
Q216	WA3 – 1983 – 000		1	IC, TC74HC08P IC	
Q217	WA3 – 6012 – 000		1	RAM, LC3564PML – 12 RAM	
Q218	WA3 – 3968 – 000		1	RAM LC3518BML – 15 RAM	
Q219	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q220	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q221	FH4 – 1163 – 000		1	CPU, UPD78C14G CPU	
Q222	WA4 – 1105 – 000		1	TRANSISTOR ARRAY, TD62304P トランジスタ アレイ	
Q223	WA3 – 3203 – 000		1	CPU, UPD70208GF – 8 CPU	
Q224	WA2 – 0808 – 000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q225	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q226	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q227	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q228	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q229	WA4 – 0536 – 000		1	IC, HA17903PS IC	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – Q230	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q231	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q232	WA2 – 0124 – 000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q233	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q234	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q235	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q236	WA2 – 0808 – 000		1	TRANSISTOR, 2SD1658 トランジスタ	
Q237	WA3 – 0849 – 000		1	IC, HD7407 IC	
Q238	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q239	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q240	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q241	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q242	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q243	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q244	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q245	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q246	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q247	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q248	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q249	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q250	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q251	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q252	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q253	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q254	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q255	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q256	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q257	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q258	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q259	WA2 – 0124 – 000		1	TRANSISTOR, 2SC1815Y トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – Q260	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q261	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q262	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q263	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q264	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q265	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q266	WA2 – 1178 – 000		1	TRANSISTOR, DTA114ES トランジスタ	
Q267	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q268	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q269	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q270	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q271	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q272	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q273	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q274	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q275	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q276	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q277	WA2 – 1387 – 000		1	TRANSISTOR, 2SB1098L トランジスタ	
Q278	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q279	WA2 – 0124 – 000		1	TRANSISTOR, 2SC1815Y トランジスタ	
Q280	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q281	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q282	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q283	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q284	WA4 – 0536 – 000		1	IC, HA17903PS IC	
Q285	WA2 – 1101 – 000		1	TRANSISTOR, DTC114ES トランジスタ	
Q287	WA2 – 0863 – 000		1	TRANSISTOR トランジスタ	
R101	VR5 – 2290 – 101		1	RESISTOR, 100 OHM, 1/5W テイコウ	
R102	VR5 – 2290 – 101		1	RESISTOR, 100 OHM, 1/5W テイコウ	
R103	VR5 – 2290 – 101		1	RESISTOR, 100 OHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R104	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R105	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R106	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R107	VR5 – 2290 – 471		1	RESISTOR, 470 OHM, 1/5W テイコウ	
R108	VR5 – 2290 – 101		1	RESISTOR, 100 OHM, 1/5W テイコウ	
R109	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R110	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R111	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R112	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R113	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R114	VR5 – 2290 – 223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R115	VR5 – 9162 – 262		1	RESISTOR, 22.6KOHM, 1/4W テイコウ	
R116	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R117	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R118	VR5 – 2290 – 101		1	RESISTOR, 100 OHM, 1/5W テイコウ	
R119	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R120	VR5 – 6412 – 001		1	RESISTOR, 2KOHM, 1/4W テイコウ	
R121	VR5 – 9162 – 262		1	RESISTOR, 22.6KOHM, 1/4W テイコウ	
R122	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R123	VR5 – 2290 – 473		1	RESISTOR, 47KOHM, 1/5W テイコウ	
R124	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R125	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R126	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R127	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R128	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R129	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R130	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R131	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R132	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R134	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R135	VR5 – 2290 – 681		1	RESISTOR, 680 OHM, 1/5W テイコウ	
R137	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R138	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R139	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R140	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R141	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R142	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R143	VR5 – 9162 – 262		1	RESISTOR, 22.6KOHM, 1/4W テイコウ	
R144	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R145	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R146	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R147	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R148	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R149	VR5 – 9163 – 002		1	RESISTOR, 30KOHM, 1/4W テイコウ	
R150	VR5 – 9162 – 262		1	RESISTOR, 22.6KOHM, 1/4W テイコウ	
R151	VR5 – 9162 – 262		1	RESISTOR, 22.6KOHM, 1/4W テイコウ	
R152	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R153	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R154	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R155	VR5 – 9162 – 262		1	RESISTOR, 22.6KOHM, 1/4W テイコウ	
R156	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R157	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R158	VR5 – 9164 – 992		1	RESISTOR, 49.9KOHM, 1/4W テイコウ	
R159	VR5 – 9163 – 002		1	RESISTOR, 30KOHM, 1/4W テイコウ	
R160	VR5 – 9163 – 002		1	RESISTOR, 30KOHM, 1/4W テイコウ	
R161	VR5 – 9163 – 302		1	RESISTOR, 33KOHM, 1/4W テイコウ	
R162	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R163	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R164	VR5 – 9164 – 992		1	RESISTOR, 49.9KOHM, 1/4W テイコウ	
R165	VR5 – 9162 – 492		1	RESISTOR, 24.9KOHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R166	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R167	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R168	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R169	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R170	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R171	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R172	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R173	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R174	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R175	VR5 – 2290 – 223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R176	VR5 – 2290 – 223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R177	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R178	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R179	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R180	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R181	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R182	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R183	VR5 – 2290 – 101		1	RESISTOR, 100 OHM, 1/5W テイコウ	
R184	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R185	VR5 – 9163 – 002		1	RESISTOR, 30KOHM, 1/4W テイコウ	
R186	VR5 – 9163 – 002		1	RESISTOR, 30KOHM, 1/4W テイコウ	
R187	VR5 – 9163 – 002		1	RESISTOR, 30KOHM, 1/4W テイコウ	
R188	VR5 – 9163 – 002		1	RESISTOR, 30KOHM, 1/4W テイコウ	
R189	VR5 – 2290 – 101		1	RESISTOR, 100 OHM, 1/5W テイコウ	
R190	VR5 – 9163 – 002		1	RESISTOR, 30KOHM, 1/4W テイコウ	
R191	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R192	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R193	VR5 – 6412 – 001		1	RESISTOR, 2KOHM, 1/4W テイコウ	
R194	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R195	VR5 – 9164 – 642		1	RESISTOR, 46.4KOHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R196	VR5 – 9163 – 602		1	RESISTOR, 36KOHM, 1/5W テイコウ	
R199	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R200	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R201	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R202	VR5 – 2290 – 104		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R203	VR5 – 2290 – 104		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R204	VR5 – 2290 – 104		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R205	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R206	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R207	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R208	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R209	VR5 – 9162 – 262		1	RESISTOR, 22.6KOHM, 1/4W テイコウ	
R210	VR5 – 9162 – 262		1	RESISTOR, 22.6KOHM, 1/4W テイコウ	
R211	VR5 – 6412 – 001		1	RESISTOR, 2KOHM, 1/4W テイコウ	
R212	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R213	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R214	VR5 – 6412 – 001		1	RESISTOR, 2KOHM, 1/4W テイコウ	
R215	VR5 – 6412 – 001		1	RESISTOR, 2KOHM, 1/4W テイコウ	
R216	VR5 – 6412 – 001		1	RESISTOR, 2KOHM, 1/4W テイコウ	
R217	VR5 – 6412 – 001		1	RESISTOR, 2KOHM, 1/4W テイコウ	
R218	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R219	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R220	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R221	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R222	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R223	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R224	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R225	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R226	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R227	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R228	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R229	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R230	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R231	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R232	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R233	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R234	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R235	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R236	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R237	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R238	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R239	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R240	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R241	VR5 – 2290 – 104		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R242	VR5 – 2290 – 104		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R243	VR5 – 2290 – 471		1	RESISTOR, 470 OHM, 1/5W テイコウ	
R244	VR5 – 2290 – 471		1	RESISTOR, 470 OHM, 1/5W テイコウ	
R245	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R246	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R247	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R248	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R249	VR5 – 6290 – 101		1	RESISTOR, 100 OHM, 1W テイコウ	
R250	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R251	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R252	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R253	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R254	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R255	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R256	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R257	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R258	VR5 – 2290 – 105		1	RESISTOR, 1MOHM, 1/5W テイコウ	
R259	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R260	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R261	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R262	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R263	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R264	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R265	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R266	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R267	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R268	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R269	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R270	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R271	VR5 – 2290 – 511		1	RESISTOR, 510 OHM, 1/5W テイコウ	
R272	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R273	VR5 – 2290 – 203		1	RESISTOR, 20KOHM, 1/5W テイコウ	
R274	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R275	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R276	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R277	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R278	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R279	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R280	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R281	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R282	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R283	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R284	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R285	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R286	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R287	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R288	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R289	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R290	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R291	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R292	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R293	VR5 – 2290 – 223		1	RESISTOR, 22KOHM, 1/5W テイコウ	
R294	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R295	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R296	VR5 – 2290 – 203		1	RESISTOR, 20KOHM, 1/5W テイコウ	
R297	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R298	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R299	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R300	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R301	VR5 – 6290 – 151		1	RESISTOR, 150 OHM, 1W テイコウ	
R302	VR5 – 6290 – 151		1	RESISTOR, 150 OHM, 1W テイコウ	
R303	VR5 – 6290 – 151		1	RESISTOR, 150 OHM, 1W テイコウ	
R304	VR5 – 6290 – 151		1	RESISTOR, 150 OHM, 1W テイコウ	
R305	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R306	VR5 – 9168 – 251		1	RESISTOR, 8.25KOHM, 1/4W テイコウ	
R307	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R308	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R309	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R310	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R311	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R312	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R313	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R314	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R315	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R316	VR5 – 6290 – 390		1	RESISTOR, 39 OHM, 1W テイコウ	
R317	VR5 – 6290 – 390		1	RESISTOR, 39 OHM, 1W テイコウ	

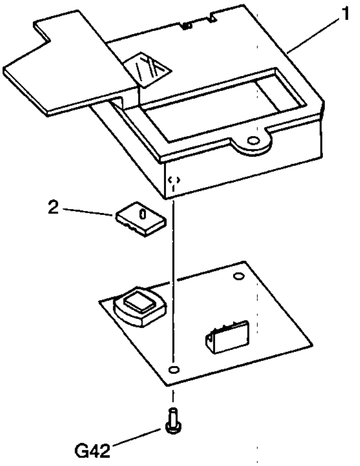
FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R318	VR5 – 6290 – 390		1	RESISTOR, 39 OHM, 1W テイコウ	
R319	VR5 – 2290 – 203		1	RESISTOR, 20KOHM, 1/5W テイコウ	
R320	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R321	VR5 – 9161 – 609		1	RESISTOR, 16 OHM, 1/4W テイコウ	
R322	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R323	VR5 – 2290 – 332		1	RESISTOR, 3.3KOHM, 1/5W テイコウ	
R324	VR5 – 6290 – 151		1	RESISTOR, 150 OHM, 1W テイコウ	
R325	VR5 – 6290 – 151		1	RESISTOR, 150 OHM, 1W テイコウ	
R326	VR5 – 6290 – 151		1	RESISTOR, 150 OHM, 1W テイコウ	
R327	VR5 – 6290 – 151		1	RESISTOR, 150 OHM, 1W テイコウ	
R328	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R329	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R330	VR5 – 2290 – 473		1	RESISTOR, 47KOHM, 1/5W テイコウ	
R331	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R332	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R333	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R334	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R335	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R336	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R337	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R338	VR5 – 2290 – 473		1	RESISTOR, 47KOHM, 1/5W テイコウ	
R339	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R340	VR5 – 9166 – 651		1	RESISTOR, 6.65KOHM, 1/4W テイコウ	
R341	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R342	VR5 – 9162 – 321		1	RESISTOR, 23.2KOHM, 1/4W テイコウ	
R343	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R344	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R345	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R346	VR5 – 2290 – 560		1	RESISTOR, 56 OHM, 1/5W テイコウ	
R347	VR5 – 9161 – 303		1	RESISTOR, 130KOHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R348	VR5 – 2290 – 471		1	RESISTOR, 470 OHM, 1/5W テイコウ	
R349	VR5 – 2290 – 221		1	RESISTOR, 220 OHM, 1/5W テイコウ	
R353	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R354	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R355	VR5 – 2290 – 102		1	RESISTOR, 1KOHM, 1/5W テイコウ	
R357	VR5 – 2290 – 202		1	RESISTOR, 2KOHM, 1/5W テイコウ	
R358	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R359	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R360	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R361	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R362	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R363	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R364	VR5 – 6413 – 831		1	RESISTOR, 3.83KOHM, 1/4W テイコウ	
R365	VR5 – 6411 – 022		1	RESISTOR, 10.2KOHM, 1/4W テイコウ	
R367	VR5 – 9163 – 602		1	RESISTOR, 36KOHM, 1/5W テイコウ	
R368	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R369	VR5 – 6300 – 100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R370	VR5 – 9163 – 602		1	RESISTOR, 36KOHM, 1/5W テイコウ	
R371	VR5 – 9162 – 612		1	RESISTOR, 26.1KOHM, 1/4W テイコウ	
R373	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R374	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R375	VR5 – 2290 – 471		1	RESISTOR, 470 OHM, 1/5W テイコウ	
R376	VR5 – 2290 – 471		1	RESISTOR, 470 OHM, 1/5W テイコウ	
R377	VR5 – 2290 – 471		1	RESISTOR, 470 OHM, 1/5W テイコウ	
R378	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R379	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R380	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R381	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R382	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R383	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 – R384	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R385	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R386	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R387	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R388	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R389	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R390	VR5 – 2290 – 123		1	RESISTOR, 12KOHM, 1/5W テイコウ	
R391	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R392	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R393	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R394	VR5 – 2290 – 472		1	RESISTOR,4.7KOHM, 1/5W テイコウ	
R395	VR5 – 2290 – 104		1	RESISTOR, 10KOHM, 1/5W テイコウ	
RA101	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA102	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA103	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA104	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA105	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA106	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA107	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA108	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA109	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA110	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA111	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA112	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA113	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA114	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
RA115	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA116	FH4 – 9152 – 000		1	RESISTOR ARRAY, M9 – 6 – 472/223J テイコウ アレイ	
RA117	VR4 – 0044 – 103		1	RESISTOR ARRAY 10K テイコウ アレイ	
RA118	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	

FIGURE & KEY NO.		PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
930 –	RA119	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
	RA120	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
	RA121	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
	RA122	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
	RA123	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
	RA124	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
	RA125	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
	RA126	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
	RA127	VR4 – 0084 – 103		1	RESISTOR ARRAY, 10KOHM テイコウ アレイ	
	SW101	WC8 – 5026 – 000		1	SWITCH, DIGITAL デジタル スイッチ	
	X101	WK2 – 0150 – 000		1	QUARTZ, CERAMIC セラミック シンドウシ	
	X102	WK2 – 0002 – 000		1	CRYSTAL, QUARTZ スイシヨウ シンドウシ	
	X103	WK2 – 0463 – 000		1	CRYSTAL, QUARTZ スイシヨウ シンドウシ	
	X104	FH6 – 3196 – 000		1	CRYSTAL OSCILLATOR, 12.85MHZ スイシヨウ シンドウシ	
	X105	WK2 – 0301 – 000		1	CRYSTAL, QUARTZ スイシヨウ シンドウシ	
	ZD101	WA1 – 5119 – 000		1	DIODE, ZENER, RD2.0HS ツエナー ダイオード	
	ZD102	WA1 – 1037 – 000		1	DIODE, ZENER HZS15NB3 ツエナー ダイオード	
	ZD103	WA1 – 1037 – 000		1	DIODE, ZENER HZS15NB3 ツエナー ダイオード	
	ZD104	WA1 – 1037 – 000		1	DIODE, ZENER HZS15NB3 ツエナー ダイオード	
	ZD105	WA1 – 1037 – 000		1	DIODE, ZENER HZS15NB3 ツエナー ダイオード	
	ZD107	WA1 – 0957 – 000		1	DIODE, ZENER ツェナー ダイオード	

FIGURE 970 AE SENSOR ASSEMBLY
AE センサ部



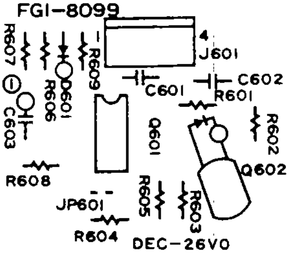
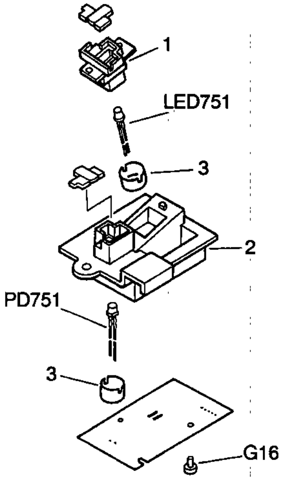

FGI-8099
4
J601
1
R607
R606
D601
R609
C603
C601
C602
R601
R602
Q601
Q602
R608
JP601
R605
R603
R604
DEC-26V0

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
970 –	FG1 – 8099 – 000		1	AE SENSOR ASSEMBLY AE センサ ブ	
1	FF1 – 9445 – 020		1	HOUSING, AE SENSOR AE ホルダ	
2	FN1 – 0235 – 000		1	LENS CAP レンズ キャップ	
C601	VC5 – 1890 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C602	VC5 – 1890 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C603	VC1 – 2501 – 335		1	CAPACITOR, 3.3UF, 50V コンデンサ	
D601	WA1 – 0887 – 000		1	DIODE, 1SS270A ダイオード	
J601	WS3 – 0586 – 000		1	PIN ASSEMBLY, 4P ピン アセンブリ	
Q601	WA4 – 0219 – 000		1	IC, MJM082D IC	
Q602	WG3 – 0055 – 000		1	PHOTO – DIODE, BS520 フォト ダイオード	
R601	VR5 – 6413 – 011		1	RESISTOR, 3.01KOHM, 1/4W テイコウ	
R602	VR5 – 6411 – 371		1	RESISTOR, 1.37KOHM, 1/4W テイコウ	
R603	VR5 – 6411 – 004		1	RESISTOR, 1MOHM, 1/4W テイコウ	
R604	VR5 – 6418 – 872		1	RESISTOR, 88.7KOHM, 1/4W テイコウ	
R605	VR5 – 6411 – 211		1	RESISTOR, 1.21KOHM, 1/4W テイコウ	
R606	VR5 – 3680 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R607	VR5 – 3680 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R608	VR5 – 3680 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R609	VR5 – 3680 – 101		1	RESISTOR, 100 OHM, 1/4W テイコウ	

FIGURE 972 DOCUMENT DETECTION UNIT 1
原稿サイズ検知（1）


1
LED751
3
2
PD751
3
G16

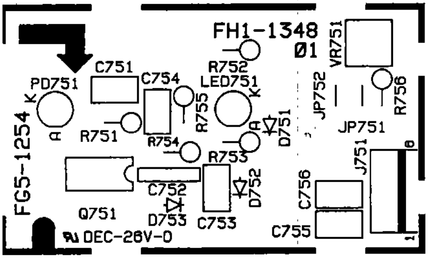
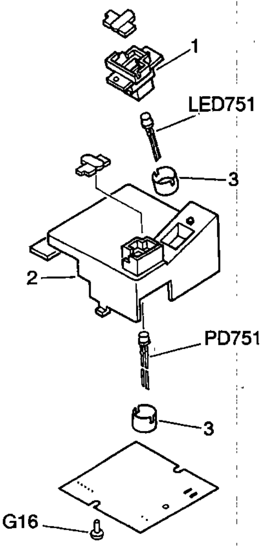

FH1-1348
Ø1
VR751
R752
C751
C754
LED751
PD751
K
K
R755
JP752
R756
A
A
R751
D751
JP751
FG5-1254
R754
R753
J751
8
C756
D752
C752
Q751
D753
C753
C755
1
DEC-26V-0

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
972 –	FG5 – 1254 – 030		1	DOCUMENT DETECTION UNIT 1 ゲンコウ サイズ ケンチ (1)	
1	FA6 – 3891 – 000		1	CASE, LED LED ケース	
2	FA6 – 2664 – 000		1	HOLDER, 2 ケンチ ホルダ (2)	
3	FA6 – 3892 – 000		2	CAP LED キャツプ	
C751	VC5 – 1940 – 330		1	CAPACITOR, 33PF, 50V コンデンサ	
C752	VC6 – 1140 – 105		1	CAPACITOR, 1UF, 25V コンデンサ	
C753	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C754	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C755	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C756	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
D751	WA1 – 0332 – 000		1	DIODE, 1SS176 ダイオード	
D752	WA1 – 0332 – 000		1	DIODE, 1SS176 ダイオード	
D753	WA1 – 0332 – 000		1	DIODE, 1SS176 ダイオード	
J751	VS1 – 1029 – 006		1	CONNECTOR, 6P コネクタ	
LED751	FH6 – 3150 – 000		1	LED, LN64CA LED	
PD751	FH7 – 7225 – 000		1	PHOTO DIODE,900NM,PN334 – (NC)CA フオト ダイオード	
Q751	WA4 – 0367 – 000		1	IC, UPC358 IC	
R751	VR5 – 6414 – 993		1	RESISTOR, 499KOHM, 1/4W テイコウ	
R752	VR5 – 6415 – 100		1	RESISTOR, 510 OHMS テイコウ	
R753	VR5 – 2290 – 334		1	RESISTOR, 330KOHM, 1/5W テイコウ	
R754	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R755	VR5 – 2290 – 104		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R756	VR5 – 2290 – 101		1	RESISTOR, 100 OHM, 1/5W テイコウ	
VR751	VR5 – 6550 – 503		1	RESISTOR, VARIABLE, 50KOHM カヘン テイコウ	

FIGURE 973 DOCUMENT DETECTION UNIT 2
原稿サイズ検知（2）


1
LED751
3
2
PD751
3
G16

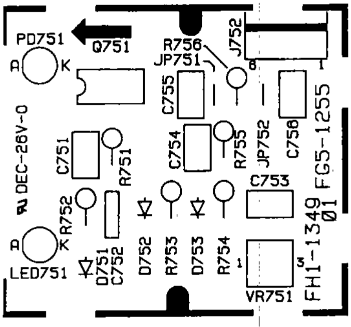
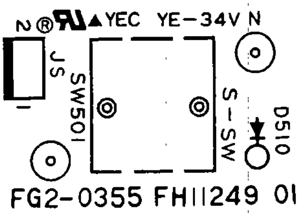

PD751
Q751
R756
JP751
J752
8
1
A
K
C755
DEC-26V-0
C751
R751
C754
R755
JP752
C758
FG5-1255
C753
R752
A
K
LED751
D751
C752
D752
R753
D753
R754
1
3
VR751
FH1-1349
01

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
973 –	FG5 – 1255 – 030		1	DOCUMENT DETECTION UNIT 2 ゲンコウ サイズ ケンチ (2)	
1	FA6 – 3891 – 000		1	CASE, LED LED ケース	
2	FA6 – 2661 – 000		1	HOLDER, 1 ケンチ ホルダ (1)	
3	FA6 – 3892 – 000		2	CAP LED キャップ	
C751	VC5 – 1940 – 330		1	CAPACITOR, 33PF, 50V コンデンサ	
C752	VC6 – 1140 – 105		1	CAPACITOR, 1UF, 25V コンデンサ	
C753	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C754	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C755	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C756	VC9 – 5047 – 000		1	CAPACITOR, 0.1UF, 50V コンデンサ	
D751	WA1 – 0332 – 000		1	DIODE, 1SS176 ダイオード	
D752	WA1 – 0332 – 000		1	DIODE, 1SS176 ダイオード	
D753	WA1 – 0332 – 000		1	DIODE, 1SS176 ダイオード	
J752	VS1 – 1029 – 006		1	CONNECTOR, 6P コネクタ	
LED751	FH6 – 3150 – 000		1	LED, LN64CA LED	
PD751	FH7 – 7225 – 000		1	PHOTO DIODE,900NM,PN334 – (NC)CA フオト ダイオード	
Q751	WA4 – 0367 – 000		1	IC, UPC358 IC	
R751	VR5 – 6414 – 993		1	RESISTOR, 499KOHM, 1/4W テイコウ	
R752	VR5 – 6415 – 100		1	RESISTOR, 510 OHMS テイコウ	
R753	VR5 – 2290 – 334		1	RESISTOR, 330KOHM, 1/5W テイコウ	
R754	VR5 – 2290 – 103		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R755	VR5 – 2290 – 104		1	RESISTOR, 10KOHM, 1/5W テイコウ	
R756	VR5 – 2290 – 101		1	RESISTOR, 100 OHM, 1/5W テイコウ	
VR751	VR5 – 6550 – 503		1	RESISTOR, VARIABLE, 50KOHM カヘン テイコウ	

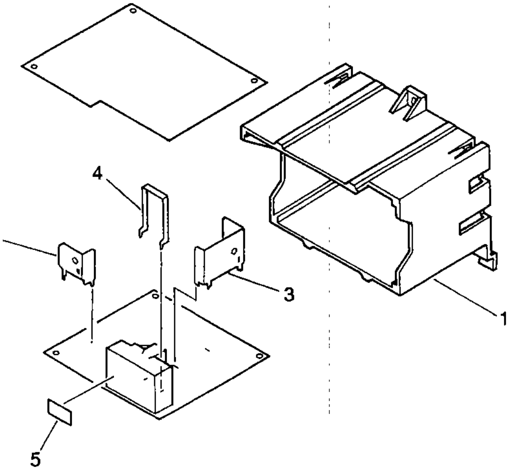
FIGURE 978 SERVICE SWITCH PCB ASSEMBLY
サービススイッチ基板



YEC YE−34V
JS
SW501
S−SW
D510
FG2−0355 FH11249 01

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
978 −	FG2 − 0355 − 000		1	SERVICE SWITCH PCB ASSEMBLY サービス スイッチ キバン	
D510	WA1 − 0887 − 000		1	DIODE, 1SS270A ダイオード	
JS	WS3 − 0580 − 000		1	PIN ASSEMBLY, 2P ピン アセンブリ	
SW501	WC2 − 0056 − 000		1	KEY SWITCH キー スイッチ	

FIGURE 980 H.V.TRANSFORMER ASSEMBLY
高圧トランス部



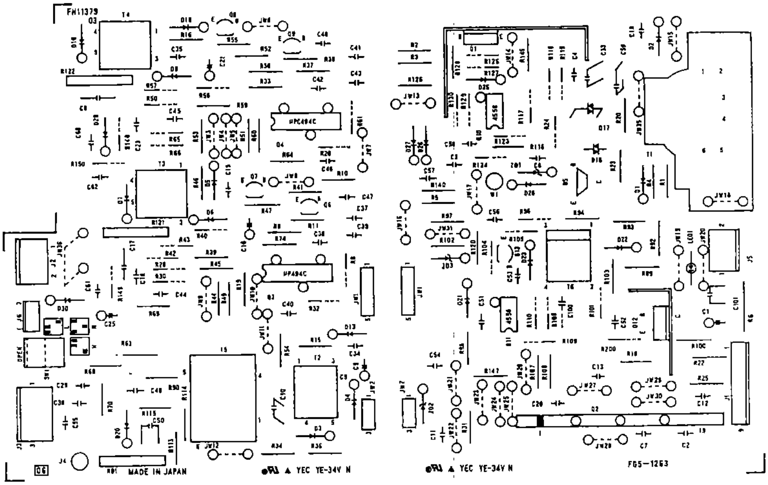

FH11379
T4
T3
T5
T2
T1
T6
UPC494C
UPC494C
4558
4558
MADE IN JAPAN
YEC YE-34V N
YEC YE-34V N
FG5-1263
J1
J2
J3
J4
J5

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
980 –	FG5 – 1263 – 050		1	HV TRANSFORMER ASSEMBLY DC コウアツ トランス (DC)	
1	FB1 – 6160 – 000		1	CASE, H.V コウアツ ケース	
2	FB1 – 6161 – 000		1	HEATSINK ホウネツ バン	
3	FB1 – 6162 – 000		1	HEATSINK ホウネツ バン	
4	FB1 – 6163 – 000		1	PLATE ショート リング	
5	FS3 – 8377 – 000		1	LABEL, "WARNING, HIGH VOLTAGE" コウアツ チュウイ メイハン	
C 1	VC7 – 2040 – 476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 2	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 3	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 4	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C 6	VC6 – 1150 – 103		1	CAPACITOR, 0.01UF, 25V コンデンサ	
C 7	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 8	VC9 – 1413 – 000		1	CAPACITOR, 4700PF 2KV コンデンサ	
C 9	VC7 – 2040 – 476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 10	VC9 – 5076 – 000		1	CAPACITOR, 0.01UF, 1KV コンデンサ	
C 11	VC4 – 3503 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C 12	VC5 – 4530 – 104		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 13	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 15	VC4 – 4504 – 473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C 16	VC7 – 2750 – 476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 17	VC9 – 1381 – 000		1	CAPACITOR, 2200PF 2KV コンデンサ	
C 18	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 19	VC5 – 2810 – 153		1	CAPACITOR, 0.015UF, 200V コンデンサ	
C 21	VC7 – 2750 – 476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 23	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 25	VC7 – 2040 – 476		1	CAPACITOR, 47UF, 35V コンデンサ	
C 28	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 29	VC6 – 0160 – 332		1	CAPACITOR, 3000PF, 500V コンデンサ	
C 33	VC7 – 3800 – 102		1	CAPACITOR, 1000PF, 2V コンデンサ	
C 34	VC4 – 4504 – 473		1	CAPACITOR, 0.047UF, 50V コンデンサ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
980 – C 35	VC4 – 4504 – 473		1	CAPACITOR, 0.047UF, 50V コンデンサ	
C 36	VC7 – 3450 – 471		1	CAPACITOR, 470PF, 500V コンデンサ	
C 37	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 38	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 39	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 40	VC9 – 1511 – 000		1	CAPACITOR, 960PF, 50V コンデンサ	
C 41	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 42	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 43	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 44	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 45	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 46	VC9 – 1511 – 000		1	CAPACITOR, 960PF, 50V コンデンサ	
C 47	VC4 – 4504 – 102		1	CAPACITOR, 0.001UF, 50V コンデンサ	
C 48	VC4 – 4504 – 102		1	CAPACITOR, 0.001UF, 50V コンデンサ	
C 49	VC9 – 5076 – 000		1	CAPACITOR, 0.01UF, 1KV コンデンサ	
C 50	VC9 – 5076 – 000		1	CAPACITOR, 0.01UF, 1KV コンデンサ	
C 51	VC5 – 7010 – 104		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 52	VC5 – 7010 – 104		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 53	VC4 – 4504 – 103		1	CAPACITOR, CERAMIC, 0.01UF,50V コンデンサ	
C 54	VC4 – 4504 – 102		1	CAPACITOR, 0.001UF, 50V コンデンサ	
C 55	VC7 – 3450 – 391		1	CAPACITOR, 390PF, 500V コンデンサ	
C 56	VC4 – 3503 – 101		1	CAPACITOR, 100PF, 50V コンデンサ	
C 57	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 58	VC9 – 0947 – 000		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 59	VC7 – 3800 – 102		1	CAPACITOR, 1000PF, 2V コンデンサ	
C 60	VC6 – 4760 – 104		1	CAPACITOR, 0.1UF, 25V コンデンサ	
C 61	VC6 – 1150 – 473		1	CAPACITOR, 0.047UF, 25V コンデンサ	
C 62	VC6 – 1150 – 103		1	CAPACITOR, 0.01UF, 25V コンデンサ	
D 1	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 2	WA1 – 0301 – 000		1	DIODE, EM – 1Z ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
980 – D 3	WA1 – 0396 – 000		1	DIODE, SHV – 03 ダイオード	
D 4	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 5	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 6	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 7	WA1 – 0396 – 000		1	DIODE, SHV – 03 ダイオード	
D 9	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 10	WA1 – 0396 – 000		1	DIODE, SHV – 03 ダイオード	
D 13	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 16	WA8 – 0071 – 000		1	VARISTOR, TNR15G821K バリスタ	
D 17	WA8 – 0071 – 000		1	VARISTOR, TNR15G821K バリスタ	
D 18	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 20	WA1 – 0396 – 000		1	DIODE, SHV – 03 ダイオード	
D 21	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 22	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 23	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 25	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 26	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 27	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 28	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 29	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 30	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
J 1	WS3 – 0538 – 000		1	PIN ASSEMBLY, 9P ピン アセンブリ	
J 2	VS1 – 0026 – 002		1	PIN ASSEMBLY, 2P ピン アセンブリ	
J 3	VS1 – 0026 – 003		1	PIN ASSEMBLY, 3P ピン アセンブリ	
J 4	FF1 – 3654 – 000		1	CABLE, UNIT ケーブル ユニット	
J 5	WS1 – 0492 – 000		1	PIN ASSEMBLY, 2P ピン アセンブリ	
J 6	WS3 – 0420 – 000		1	PIN ASSEMBLY, 3P (W) ピン アセンブリ	
JW 1	FH2 – 5896 – 000		1	WIRE, JUMPER ジャンパ セン	
JW 2	FH2 – 5737 – 000		1	CABLE, JUMPER ジャンパ セン	
LED 1	WG1 – 0140 – 000		1	LED, LT – 8201P LED	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
980 – Q 1	WA2 – 0831 – 000		1	TRANSISTOR, 2SC3834 トランジスタ	
Q 2	FH4 – 5410 – 000		1	HYBRID IC, MC – 8611 IC	
Q 3	WA4 – 0452 – 000		1	IC, UPC494C IC	
Q 4	WA4 – 0452 – 000		1	IC, UPC494C IC	
Q 5	WA2 – 5321 – 000		1	TRANSISTOR, 2SC4634 – RA トランジスタ	
Q 6	WA2 – 0036 – 000		1	TRANSISTOR, 2SC2120Y トランジスタ	
Q 7	WA2 – 0875 – 000		1	TRANSISTOR, 2SD438 トランジスタ	
Q 8	WA2 – 0875 – 000		1	TRANSISTOR, 2SD438 トランジスタ	
Q 9	WA2 – 0036 – 000		1	TRANSISTOR, 2SC2120Y トランジスタ	
Q 10	WA4 – 0225 – 000		1	IC, NJM4558 IC	
Q 11	WA4 – 0225 – 000		1	IC, NJM4558 IC	
Q 12	WA2 – 5321 – 000		1	TRANSISTOR, 2SC4634 – RA トランジスタ	
Q 13	WA2 – 0124 – 000		1	TRANSISTOR, 2SC1815Y トランジスタ	
R 1	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 2	VR1 – 1141 – 392		1	RESISTOR, 3.9KOHM, 1/4W テイコウ	
R 3	VR1 – 1141 – 392		1	RESISTOR, 3.9KOHM, 1/4W テイコウ	
R 4	VR1 – 1141 – 221		1	RESISTOR, 220 OHM, 1/4W テイコウ	
R 5	VR1 – 1141 – 180		1	RESISTOR, 18 テイコウ	
R 6	VR9 – 5077 – 000		1	RESISTOR, 0.47 OHM 1W テイコウ	
R 8	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 9	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 10	VR1 – 1141 – 102		1	RESISTOR, 1KOHM, 1/4W テイコウ	
R 11	VR1 – 1141 – 102		1	RESISTOR, 1KOHM, 1/4W テイコウ	
R 15	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 16	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 18	VR1 – 1141 – 102		1	RESISTOR, 1KOHM, 1/4W テイコウ	
R 19	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 20	VR1 – 1141 – 104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R 22	VR1 – 1141 – 474		1	RESISTOR, 470KOHM, 1/4W テイコウ	
R 23	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	

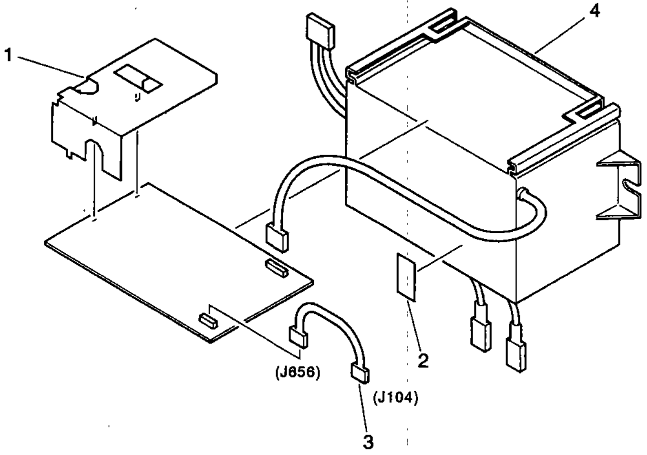
FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
980 – R 24	VR7 – 2344 – 421		1	RESISTOR, 4.42KOHM, 1/4W テイコウ	
R 25	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 26	VR7 – 2342 – 052		1	RESISTOR, 20.5KOHM, 1/4W テイコウ	
R 29	VR1 – 1141 – 225		1	RESISTOR, 2.2MOHM, 1/4W テイコウ	
R 30	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 31	VR1 – 1141 – 479		1	RESISTOR, 4.7 OHM, 1/4W テイコウ	
R 32	VR7 – 2343 – 832		1	RESISTOR, 38.3KOHM, 1/4W テイコウ	
R 33	VR1 – 1141 – 471		1	RESISTOR, 470 OHM, 1/4W テイコウ	
R 34	VR5 – 2511 – 004		1	RESISTOR, 1MOHM, 1/4W テイコウ	
R 35	VR5 – 2511 – 004		1	RESISTOR, 1MOHM, 1/4W テイコウ	
R 36	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 37	VR1 – 1141 – 102		1	RESISTOR, 1KOHM, 1/4W テイコウ	
R 38	VR1 – 1141 – 102		1	RESISTOR, 1KOHM, 1/4W テイコウ	
R 39	VR5 – 0043 – 011		1	RESISTOR, 3.01KOHM, 1/4W テイコウ	
R 40	VR7 – 2342 – 371		1	RESISTOR, 2.37KOHM, 1/4W テイコウ	
R 41	VR1 – 1141 – 332		1	RESISTOR, 3.3KOHM, 1/4W テイコウ	
R 42	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 43	VR7 – 2343 – 832		1	RESISTOR, 38.3KOHM, 1/4W テイコウ	
R 44	VR1 – 1141 – 474		1	RESISTOR, 470KOHM, 1/4W テイコウ	
R 45	VR1 – 1141 – 229		1	RESISTOR, 2.2 OHM, 1/4W テイコウ	
R 46	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 47	VR5 – 6870 – 100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R 49	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 50	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 51	VR1 – 1141 – 474		1	RESISTOR, 470KOHM, 1/4W テイコウ	
R 52	VR1 – 1141 – 332		1	RESISTOR, 3.3KOHM, 1/4W テイコウ	
R 53	VR1 – 1141 – 229		1	RESISTOR, 2.2 OHM, 1/4W テイコウ	
R 54	VR5 – 6870 – 100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R 55	VR5 – 6870 – 100		1	RESISTOR, 10 OHM, 1/4W テイコウ	
R 57	VR7 – 2343 – 092		1	RESISTOR, 30.9KOHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
980 – R 58	VR7 – 2342 – 051		1	RESISTOR, 2.05KOHM, 1/4W テイコウ	
R 59	VR5 – 0043 – 011		1	RESISTOR, 3.01KOHM, 1/4W テイコウ	
R 60	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 61	VR1 – 1141 – 562		1	RESISTOR, 5.6KOHM, 1/4W テイコウ	
R 63	VR5 – 1010 – 104		1	RESISTOR, 100KOHM, 1/2W テイコウ	
R 64	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R 65	VR1 – 1141 – 225		1	RESISTOR, 2.2MOHM, 1/4W テイコウ	
R 66	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 68	VR1 – 1141 – 515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R 69	VR1 – 1141 – 229		1	RESISTOR, 2.2 OHM, 1/4W テイコウ	
R 70	VR1 – 1141 – 515		1	RESISTOR, 5.1MOHM, 1/4W テイコウ	
R 74	VR1 – 1141 – 471		1	RESISTOR, 470 OHM, 1/4W テイコウ	
R 90	VR1 – 1141 – 105		1	RESISTOR, 1MOHM, 1/4W テイコウ	
R 91	FH4 – 9072 – 000		1	RESISTOR ARRAY テイコウ アレイ	
R 92	VR5 – 2513 – 324		1	RESISTOR, 3.32MOHM 1/4W テイコウ	
R 93	VR5 – 2513 – 324		1	RESISTOR, 3.32MOHM 1/4W テイコウ	
R 94	VR5 – 2513 – 324		1	RESISTOR, 3.32MOHM 1/4W テイコウ	
R 96	VR7 – 2343 – 323		1	RESISTOR, 332KOHM, 1/4W テイコウ	
R 97	VR5 – 2511 – 103		1	RESISTOR, 110KOHM, 1/4W テイコウ	
R 98	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R 99	VR1 – 1141 – 104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R100	VR1 – 1141 – 104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R101	VR1 – 1141 – 104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R102	VR1 – 1141 – 203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R103	VR1 – 1141 – 203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R104	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R105	VR1 – 1141 – 470		1	RESISTOR, 47 OHM, 1/4W テイコウ	
R106	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R107	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R108	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
980 – R109	VR1 – 1141 – 752		1	RESISTOR, 7.5KOHM, 1/4W テイコウ	
R110	VR1 – 1141 – 202		1	RESISTOR, 2KOHM, 1/4W テイコウ	
R113	VR1 – 1141 – 185		1	RESISTOR, 1.8MOHM, 1/4W テイコウ	
R114	VR1 – 1141 – 185		1	RESISTOR, 1.8MOHM, 1/4W テイコウ	
R115	VR1 – 1141 – 185		1	RESISTOR, 1.8MOHM, 1/4W テイコウ	
R116	VR1 – 1141 – 203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R117	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R118	VR1 – 1141 – 104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R119	VR7 – 2341 – 822		1	RESISTOR, 18.2KOHM, 1/4W テイコウ	
R120	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R121	FH4 – 9056 – 000		1	RESISTOR ARRAY, 1M/100KOHM テイコウ アレイ	
R122	FH4 – 9055 – 000		1	RESISTOR, ARRAY, 4.7M, 150KOHM テイコウ アレイ	
R123	VR7 – 2341 – 004		1	RESISTOR, 1MOHM 1/4W テイコウ	
R124	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R125	VR1 – 1141 – 203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R126	VR1 – 1141 – 113		1	RESISTOR, 11KOHM, 1/4W テイコウ	
R127	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R128	VR1 – 1141 – 104		1	RESISTOR, 100KOHM, 1/4W テイコウ	
R129	VR7 – 2341 – 004		1	RESISTOR, 1MOHM 1/4W テイコウ	
R130	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R140	VR1 – 1141 – 154		1	RESISTOR, 15KOHM, 1/4W テイコウ	
R145	VR1 – 1141 – 203		1	RESISTOR, 20KOHM, 1/4W テイコウ	
R147	VR1 – 1141 – 105		1	RESISTOR, 1MOHM, 1/4W テイコウ	
R148	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R149	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R150	VR1 – 1141 – 202		1	RESISTOR, 2KOHM, 1/4W テイコウ	
SSW1	WS1 – 0421 – 000		1	CONNECTOR, FEMALE コネクタ (メス)	
SW 1	VS1 – 0477 – 006		1	DIP SWITCH DIP スイッチ	
T 1	FH3 – 0575 – 000		1	TRANSFORMER トランス	
T 2	FH3 – 5207 – 000		1	TRANSFORMER トランス	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
980 – T 3	FH3 – 0532 – 000		1	TRANSFORMER, 670KVA トランス	
T 4	FH3 – 0611 – 000		1	TRANSFORMER, 670KVA トランス	
T 5	FH3 – 0576 – 000		1	TRANSFORMER トランス	
T 6	FH3 – 8017 – 000		1	TRANSFORMER トランス	
W 1	FF2 – 0001 – 000		1	CABLE, GND GND ケーブル	
ZD 1	WA1 – 0672 – 000		1	DIODE, ZENER, HZ18 – 2 ツエナー ダイオード	
ZD 2	WA1 – 0672 – 000		1	DIODE, ZENER, HZ18 – 2 ツエナー ダイオード	
ZD 3	WA1 – 0209 – 000		1	DIODE, ZENER, HZ5C – 1 ツエナー ダイオード	

FIGURE 981 H.V. TRANSFORMER ASSEMBLY AC
高圧トランス（AC）


1
4
2
(J656)
(J104)
3

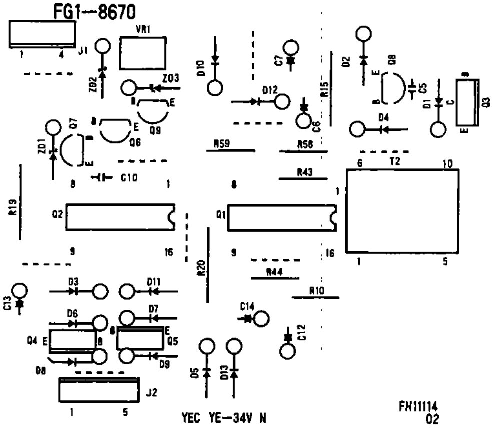

FG1—8670
VR1
J1
ZD2
ZD3
D10
C7
D2
Q8
D12
R15
C5
D1
Q3
Q7
Q9
C6
D4
ZD1
Q6
R59
R58
T2
C10
R43
R19
Q2
Q1
R20
R44
R10
C13
D3
D11
D6
D7
C14
C12
Q4
Q5
D8
D9
D5
D13
J2
YEC YE—34V N
FH11114
02

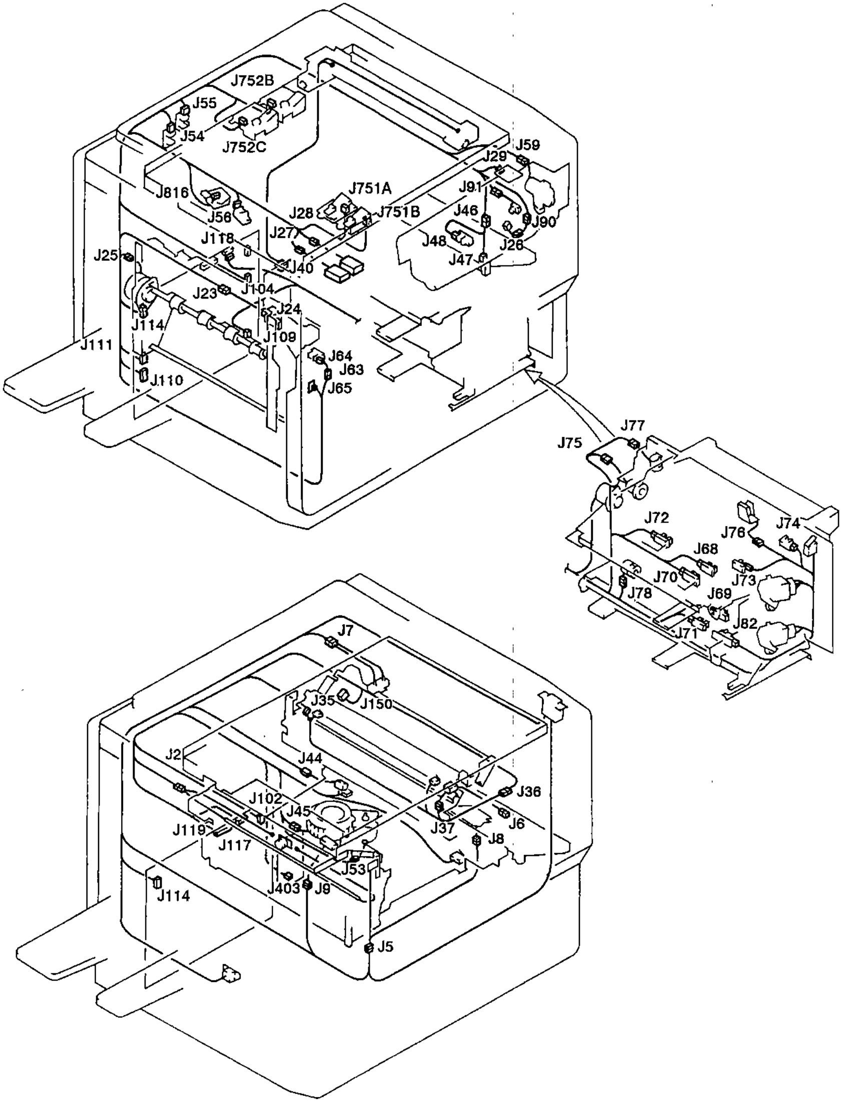
FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
981 –	FG5 – 1344 – 040		1	HV TRANSFORMER ASSEMBLY AC コウアツ トランス (AC)	
1	FA5 – 7191 – 000		1	HEATSINK ヒートシンク	
2	FS3 – 8377 – 000		1	LABEL, "WARNING, HIGH VOLTAGE" コウアツ チユウイ メイハン	
3	FF2 – 1455 – 000		1	CABLE, AC AC ソクセン	
4	FH3 – 0591 – 030		1	TRANSFORMER トランス	
C 1	VC5 – 1040 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C 2	VC5 – 1040 – 103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C 3	VC5 – 1040 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C 4	VC5 – 1040 – 102		1	CAPACITOR, 1000PF, 50V コンデンサ	
C 5	VC5 – 5980 – 102		1	CAPACITOR, 1000PF, 100V コンデンサ	
C 6	VC6 – 3310 – 107		1	CAPACITOR, 100UF, 35V コンデンサ	
C 7	VC6 – 3310 – 337		1	CAPACITOR, 330UF, 35V コンデンサ	
C 8	VC5 – 1040 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C 9	VC5 – 1040 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C 10	VC9 – 1600 – 000		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C 11	VC5 – 1040 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C 12	VC7 – 4900 – 105		1	CAPACITOR, 10UF, 50V コンデンサ	
C 13	VC6 – 3760 – 476		1	CAPACITOR, 47UF, 50V コンデンサ	
C 14	VC7 – 4900 – 105		1	CAPACITOR, 10UF, 50V コンデンサ	
C 15	VC5 – 1040 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C 16	VC5 – 1040 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C 17	VC5 – 1040 – 103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C 18	VC5 – 1040 – 103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C 19	VC5 – 4100 – 101		1	CAPACITOR, 100PF, 50V コンデンサ	
C 20	VC5 – 1040 – 103		1	CAPACITOR, 0.01UF, 50V コンデンサ	
C 21	VC5 – 1040 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
C 22	VC5 – 1040 – 104		1	CAPACITOR, 0.1UF, 50V コンデンサ	
D 1	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 2	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 3	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER / REMARKS
981 – D 4	WA1 – 1086 – 000		1	DIODE, RK – 16 ダイオード	
D 5	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 6	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 7	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 8	WA1 – 0301 – 000		1	DIODE, EM – 1Z ダイオード	
D 9	WA1 – 0301 – 000		1	DIODE, EM – 1Z ダイオード	
D 10	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 11	WA1 – 0178 – 000		1	DIODE, 1SS81 ダイオード	
D 12	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D 13	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
J 1	FF2 – 1455 – 000		1	CABLE, AC AC ソクセン	
J 2	WS3 – 0422 – 000		1	PIN ASSEMBLY, 5P, W ピン アセンブリ	
Q 1	WA4 – 0452 – 000		1	IC, UPC494C IC	
Q 2	WA4 – 0452 – 000		1	IC, UPC494C IC	
Q 3	WA2 – 0568 – 000		1	TRANSISTOR, 2SC3258 トランジスタ	
Q 4	WA2 – 0438 – 000		1	TRANSISTOR, 2SC1986 トランジスタ	
Q 5	WA2 – 0438 – 000		1	TRANSISTOR, 2SC1986 トランジスタ	
Q 6	WA2 – 0796 – 000		1	TRANSISTOR, RN1201 トランジスタ	
Q 7	WA2 – 0772 – 000		1	TRANSISTOR, RN1202 トランジスタ	
Q 8	WA2 – 0036 – 000		1	TRANSISTOR, 2SC2120Y トランジスタ	
Q 9	WA2 – 0772 – 000		1	TRANSISTOR, RN1202 トランジスタ	
R 1	VR5 – 0989 – 531		1	RESISTOR, 9.53KOHM, 1/8W テイコウ	
R 2	VR5 – 0985 – 761		1	RESISTOR, 5.76KOHM, 1/8W テイコウ	
R 3	VR5 – 0983 – 242		1	RESISTOR, 324KOHM, 1/8W テイコウ	
R 4	VV1 – 1188 – 152		1	RESISTOR, 1.5KOHM, 1/8W テイコウ	
R 5	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 6	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 7	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 8	VV1 – 1188 – 470		1	RESISTOR, 470KOHM, 1/8W テイコウ	
R 9	VV1 – 1188 – 225		1	RESISTOR, 2.2MOHM, 1/8W テイコウ	

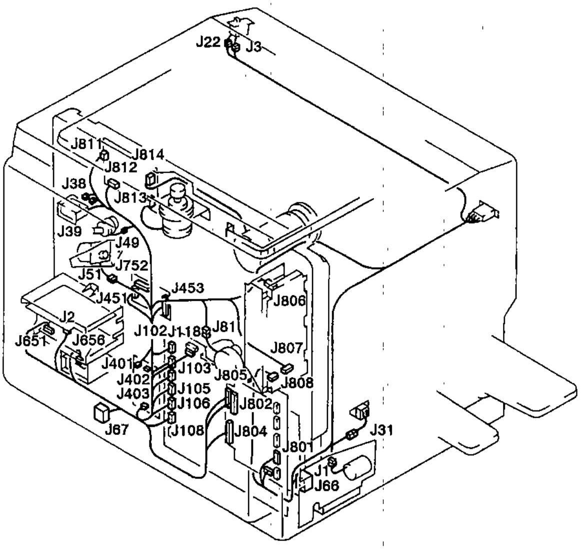
FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
981 – R 10	VR1 – 1141 – 681		1	RESISTOR, 680 OHM 1/4W テイコウ	
R 11	VV1 – 1188 – 471		1	RESISTOR, 470 OHM, 1/8W テイコウ	
R 12	VR5 – 0982 – 002		1	RESISTOR, 20KOHM, 1/8W テイコウ	
R 13	VV1 – 1188 – 100		1	RESISTOR, 10 OHM, 1/8W テイコウ	
R 14	VV1 – 1188 – 102		1	RESISTOR, 1KOHM, 1/8W テイコウ	
R 15	VR5 – 6020 – 109		1	RESISTOR, 1 OHM, 2W テイコウ	
R 16	VV1 – 1188 – 103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R 17	VV1 – 1188 – 911		1	RESISTOR, 910 OHM, 1/8W テイコウ	
R 18	VV1 – 1188 – 911		1	RESISTOR, 910 OHM, 1/8W テイコウ	
R 19	VR5 – 6020 – 109		1	RESISTOR, 1 OHM, 2W テイコウ	
R 20	VR5 – 6020 – 180		1	RESISTOR, 18 OHM, 2W テイコウ	
R 21	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 22	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 23	VV1 – 1188 – 470		1	RESISTOR, 470KOHM, 1/8W テイコウ	
R 24	VV1 – 1188 – 911		1	RESISTOR, 910 OHM, 1/8W テイコウ	
R 25	VV1 – 1188 – 473		1	RESISTOR, 47KOHM, 1/8W テイコウ	
R 26	VV1 – 1188 – 222		1	RESISTOR, 2.2KOHM, 1/8W テイコウ	
R 27	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 28	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 29	VR5 – 0981 – 303		1	RESISTOR, 130KOHM, 1/8W テイコウ	
R 30	VV1 – 1188 – 473		1	RESISTOR, 47KOHM, 1/8W テイコウ	
R 31	VV1 – 1188 – 101		1	RESISTOR, 100 OHM, 1/8W テイコウ	
R 32	VV1 – 1188 – 102		1	RESISTOR, 1KOHM, 1/8W テイコウ	
R 33	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 34	VR5 – 0981 – 001		1	RESISTOR, 1KOHM, 1/8W テイコウ	
R 35	VV1 – 1188 – 103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R 36	VV1 – 1188 – 102		1	RESISTOR, 1KOHM, 1/8W テイコウ	
R 37	VV1 – 1188 – 561		1	RESISTOR, 560 OHM, 1/8W テイコウ	
R 38	VV1 – 1188 – 561		1	RESISTOR, 560 OHM, 1/8W テイコウ	
R 39	VV1 – 1188 – 105		1	RESISTOR, 1MOHM, 1/8W テイコウ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
981 – R 40	VV1 – 1188 – 103		1	RESISTOR, 10KOHM, 1/8W テイコウ	
R 41	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 42	VV1 – 1188 – 225		1	RESISTOR, 2.2MOHM, 1/8W テイコウ	
R 43	VR1 – 1141 – 243		1	RESISTOR, 24KOHM, 1/4W テイコウ	
R 44	VR1 – 1141 – 202		1	RESISTOR, 2KOHM, 1/4W テイコウ	
R 45	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 46	VV1 – 1188 – 101		1	RESISTOR, 100 OHM, 1/8W テイコウ	
R 47	VV1 – 1188 – 101		1	RESISTOR, 100 OHM, 1/8W テイコウ	
R 48	VV1 – 1188 – 101		1	RESISTOR, 100 OHM, 1/8W テイコウ	
R 49	VV1 – 1188 – 101		1	RESISTOR, 100 OHM, 1/8W テイコウ	
R 50	VV1 – 1188 – 101		1	RESISTOR, 100 OHM, 1/8W テイコウ	
R 51	VV1 – 1188 – 101		1	RESISTOR, 100 OHM, 1/8W テイコウ	
R 52	VV1 – 1188 – 101		1	RESISTOR, 100 OHM, 1/8W テイコウ	
R 53	VV1 – 1188 – 101		1	RESISTOR, 100 OHM, 1/8W テイコウ	
R 54	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 55	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 56	VV1 – 1188 – 303		1	RESISTOR, 30KOHM, 1/8W テイコウ	
R 57	VV1 – 1188 – 472		1	RESISTOR, 4.7KOHM, 1/8W テイコウ	
R 58	VR1 – 1141 – 229		1	RESISTOR, 2.2 OHM, 1/4W テイコウ	
R 59	VR1 – 1141 – 229		1	RESISTOR, 2.2 OHM, 1/4W テイコウ	
T 1	FH3 – 0515 – 000		1	TRANSFORMER トランス	
T 2	FH3 – 0591 – 030		1	TRANSFORMER トランス	
VR 1	VR5 – 7710 – 103		1	RESISTOR, VARIABLE テイコウ	
ZD 1	WA1 – 1091 – 000		1	DIODE, AW01 – 08 ダイオード	
ZD 2	WA1 – 0207 – 000		1	DIODE, ZENER, HZ20 – 2 ツエナー ダイオード	
ZD 3	WA1 – 0074 – 000		1	DIODE, ZENER, HZ24 – 2 ツエナー ダイオード	

FIGURE B LIST OF CONNECTORS($^{1}/_{2}$)
コネクター覧($^{1}/_{2}$)


J752B
J55
J54
J752C
J59
J29
J816
J751A
J91
J28
J751B
J46
J90
J56
J27
J48
J26
J118
J25
J40
J47
J104
J23
J24
J114
J111
J109
J64
J63
J110
J65
J77
J75
J72
J74
J76
J68
J70
J73
J78
J69
J82
J71
J7
J35
J150
J2
J44
J102
J36
J45
J6
J119
J37
J8
J117
J53
J403
J9
J114
J5

# FIGURE B LIST OF CONNECTORS($^2/_2$)
コネクタ一覧($^2/_2$)


J22
J3
J811
J814
J812
J38
J813
J39
J49
J752
J51
J453
J451
J806
J2
J102
J118
J81
J651
J656
J807
J401
J103
J805
J808
J402
J105
J403
J106
J802
J67
J108
J804
J31
J801
J1
J66

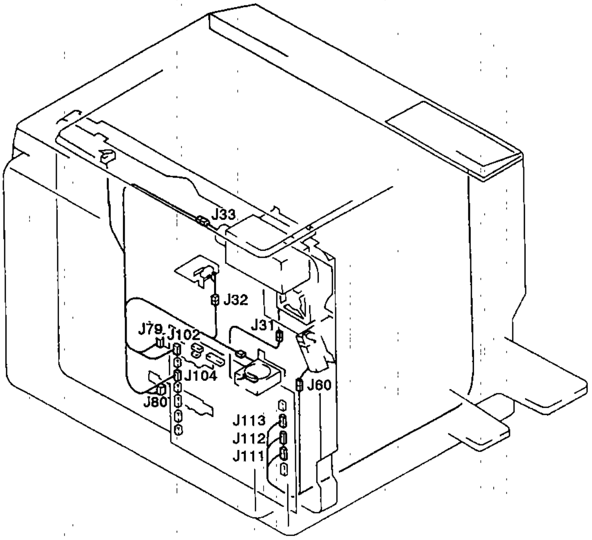

J33
J32
J31
J79
J102
J104
J60
J80
J113
J112
J111

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
B –	NPN		RF	LIST OF CONNECTORS コネクタ イチラン	
J 1	NPN			NOISE FILTER ノイズ フイルタ	LF1
	WS4 – 0059 – 000		1	CONNECTOR, 2P, MALE コネクタ (オス)	
	WS4 – 0075 – 000		2	PIN, CONTACT, 14 – 20AWG ピン コンタクト	
J 2	NPN			FIXING HEATER テイチヤク ヒータ	H1
	WS4 – 0060 – 000		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
	WS4 – 0073 – 000		2	SOCKET, CONTACT, 14 – 20AWG ソケツト コンタクト	
J 3	NPN			MAIN SWITCH メイン スイツチ	SW1
J 4	NPN			HALOGEN LAMP ゲンコウ シヨウメイ ランプ	LA1
J 5	VS4 – 0001 – 002		1	CONNECTOR, 2P, MALE コネクタ (オス)	
	VS4 – 0002 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
	WS4 – 0218 – 000		2	SOCKET, CONTACT, 22 – 26AWG ソケツト コンタクト	
	WS4 – 0220 – 000		2	PIN CONTACT, 22 – 26AWG ピン コンタクト	
J 6	VS4 – 0001 – 002		1	CONNECTOR, 2P, MALE コネクタ (オス)	
	VS4 – 0002 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
	WS4 – 0218 – 000		2	SOCKET, CONTACT, 22 – 26AWG ソケツト コンタクト	
	WS4 – 0220 – 000		2	PIN CONTACT, 22 – 26AWG ピン コンタクト	
J 7	VS4 – 0001 – 002		1	CONNECTOR, 2P, MALE コネクタ (オス)	
	VS4 – 0002 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
	WS4 – 0218 – 000		2	SOCKET, CONTACT, 22 – 26AWG ソケツト コンタクト	
	WS4 – 0220 – 000		2	PIN CONTACT, 22 – 26AWG ピン コンタクト	
J 8	NPN			DRUM HEATER UNIT CABLE ドラム ヒータ ユニット ソクセン	R3
	VS4 – 0002 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
	WS4 – 0218 – 000		2	SOCKET, CONTACT, 22 – 26AWG ソケツト コンタクト	
J 9	NPN			PLATE HEATER プレート ヒータ	R2
	VS3 – 0053 – 002		1	CONNECTOR, 2P, FEMALE コネクタ	
	WS4 – 0218 – 000		2	SOCKET, CONTACT, 22 – 26AWG ソケツト コンタクト	
J 22	NPN			MAIN SWITCH メイン スイッチ	SW1
	VS3 – 0053 – 002		1	CONNECTOR, 2P, FEMALE コネクタ	
	WS4 – 0218 – 000		2	SOCKET, CONTACT, 22 – 26AWG ソケツト コンタクト	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
B – J 23	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
	VS4 – 0003 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
	WS3 – 5016 – 000		3	PIN CONTACT, 30 – 26AWG ピン コンタクト	
J 24	NPN			PAPER DELIVERY SENSOR ハイシ センサ	Q2
	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 25	NPN			DELIVERY FEEDER MOTOR ハイシ ハンソウ モータ	M7
	WS3 – 0432 – 000		1	CONNECTOR, 6P, FEMALE, BK コネクタ (メス)	
	WS3 – 0469 – 000		6	SOCKET, CONTACT, 26 – 30AWG ソケツト コンタクト	
J 26	NPN			TONER SENSOR トナー センサ	Q17
	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 27	NPN			COUNTER 1 カウンタ (1)	CNT1
	WS3 – 0430 – 000		1	CONNECTOR, PCB, 4P, FEMALE コネクタ (メス)	
	WS3 – 0469 – 000		4	SOCKET, CONTACT, 26 – 30AWG ソケツト コンタクト	
J 28	NPN			COUNTER 2 カウンタ (2)	CNT2
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
	WS3 – 0469 – 000		2	SOCKET, CONTACT, 26 – 30AWG ソケツト コンタクト	
J 29	VS4 – 0003 – 004		1	CONNECTOR, 4P, FEMALE コネクタ (メス)	
	WS3 – 0429 – 000		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
	WS3 – 0469 – 000			SOCKET, CONTACT, 26 – 30AWG ソケツト コンタクト	
	WS3 – 5016 – 000		4	PIN CONTACT, 30 – 26AWG ピン コンタクト	
J 29A	VS4 – 0003 – 004		1	CONNECTOR, 4P, FEMALE コネクタ (メス)	
	WS3 – 5016 – 000		4	PIN CONTACT, 30 – 26AWG ピン コンタクト	
J 29B	VS1 – 0192 – 004		1	CONNECTOR, 4P, FEMALE コネクタ (メス)	
J 31	NPN			EXAUST FAN ハイネツ フアン	FM2
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 32	NPN			WASTE TONER SENSING SWITCH ハイトナー ケンチ スイツチ	MS1
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 33	NPN			SCANNER COOLING FAN コウガク レイキヤク フアン	FM1
	VS4 – 0002 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
	WS4 – 0218 – 000		2	SOCKET, CONTACT, 22 – 26AWG ソケツト コンタクト	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER / REMARKS
B – J 34	NPN			COOLING FAN デンゲン レイキヤク フアン	FM4
	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 35	NPN			PRE. COND EXPOSURE LAMP マエ ロコウ ランプ	LA2
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 36	VS1 – 0842 – 006		2	CONNECTOR, 6P, FEMALE コネクタ (メス)	
	VS1 – 5057 – 006		1	CONNECTOR, SNAP TIGHT チュウケイ コネクタ	
J 37	NPN			WIRE CLEANING MOTOR (PRI) タイデンセン セイソウ モータ (1ジ)	M11
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 38	VS4 – 0001 – 004		1	CONNECTOR, PCB, 4P, MALE コネクタ (オス)	
	VS4 – 0002 – 004		1	CONNECTOR, 4P, FEMALE コネクタ (メス)	
	WS4 – 0218 – 000		4	SOCKET, CONTACT, 22 – 26AWG ソケット コンタクト	
	WS4 – 0220 – 000		4	PIN CONTACT, 22 – 26AWG ピン コンタクト	
J 44	NPN			WIRE CLEANING MOTOR (PRE/TRA) タイデンセン セイソウ モータ (テンシヤ	M12
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 45	NPN			FEEDER FAN ハンソウ フアン	FM3
	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 46	VS1 – 0582 – 006		1	CONNECTOR, 6P コネクタ	
	VS1 – 0842 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J 47	NPN			PAPER SENSOR (SWITCH – BACK) カミ ケンチ センサ (ヨコレジ)	Q6
	WS3 – 0429 – 000		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
	WS3 – 0469 – 000		3	SOCKET, CONTACT, 26 – 30AWG ソケット コンタクト	
J 48	NPN			PAPER SENSOR (REGIST 1) カミ ケンチ センサ (ダイ 1 レジ)	Q5
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 49	NPN			REGIST ROLLER 1 CLUTCH ダイ 1 レジローラ クラッチ	CL1
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 51	NPN			SWITCH – BACK MOTOR ヨコレジ モータ	M4
	VS1 – 0192 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J 53	NPN			LENS MOTOR レンズ モータ	M3
	VS1 – 0192 – 005		1	CONNECTOR, 5P, FEMALE コネクタ (メス)	
J 54	NPN			SCANNER HOME POSITION コウガク ホームポジション センサ	Q8

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
B – J 54	WS3 – 0429 – 000		1	CONNECTOR, 3P, FEMALE コネクタ（メス）	
	WS3 – 0469 – 000		3	SOCKET, CONTACT, 26 – 30AWG ソケット コンタクト	
J 55	NPN			DOCUMENT SENSOR ゲンコウ ケンチ センサ	Q9
	WS3 – 0469 – 000		3	SOCKET, CONTACT, 26 – 30AWG ソケット コンタクト	
	WS3 – 0592 – 000		1	CONNECTOR, PCB, 3P, FEMALE コネクタ（メス）	
J 56	NPN			LENS HOME POSITION レンズ ホームポジション センサ	Q7
	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ（メス）	
J 59	NPN			HOPPER MOTOR ホッパ モータ	M10
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ（メス）	
J 60	NPN			THERMISTOR サーミスタ	TH1
	VS3 – 0108 – 003		1	CONNECTOR, 3P, FEMALE コネクタ（メス）	
	WS3 – 5016 – 000		3	PIN CONTACT, 30 – 26AWG ピン コンタクト	
J 61	NPN			FIXING ROLLER CLEAN'G SOLENOID テイチャク クリーナ ソレノイド	SL2
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ（メス）	
J 63	VS1 – 0842 – 003		2	CONNECTOR, 3P, FEMALE コネクタ（メス）	
	VS1 – 5057 – 003		1	CONNECTOR, SNAP TIGHT チュウケイ コネクタ	
J 64	NPN			LOWER FEEDER PAPER SENSING シタ ハンソウ カミ ケンチ（イリグチ）	Q3
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ（メス）	
J 65	PCB			SURVICE SWITCH サービス スイッチ キバン	
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ（メス）	
J 67	FH2 – 5820 – 000		24	PIN CONTACT, 22 – 26AWG ピン コンタクト	
	FH2 – 5825 – 000		1	PIN CONTACT, 16 – 20AWG ピン コンタクト	
	FH2 – 5829 – 000		1	CONNECTOR, 27P, FEMALE コネクタ（メス）	
J 68	NPN			CASSETTE PAPER SIZE SENSOR 1 カセット サイズ ケンチ センサ 1	Q10
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ（メス）	
J 69	NPN			CASSETTE PAPER SIZE SENSOR 2 カセット サイズ ケンチ センサ 2	Q11
	VS3 – 5009 – 003		1	CONNECTOR, 3P, FEMALE コネクタ（メス）	
	WS1 – 5019 – 000		3	SOCKET CONTACT ソケット コンタクト	
J 70	NPN			PAPER LIFTER SENSOR 1 リフタ イチ ケンチ センサ 1	Q12
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ（メス）	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
B – J 71	NPN			PAPER LIFTER SENSOR 2 リフタ イチ ケンチ センサ 2	Q13
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 72	NPN			LOWER FEEDER PAPER SENSING シタ ハンソウ カミ ケンチ (デグチ)	Q14
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 73	NPN			REGIST 2 PAPER SENSOR ダイ 2 レジスト カミ ケンチ	Q15
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 74	NPN			MANUAL FEED PAPER SENSING テザシ カミケンチ	Q4
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 75	NPN			PICK – UP CLUTCH キユウシ クラツチ	CL2
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 76	NPN			MANUAL SHUTTER SOLENOID テザシ シヤツタ ソレノイド	SL9
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 77	NPN			REGIST 2 ROLLER SOLENOID ダイ 2 レジローラ ソレノイド	SL8
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 78	NPN			REGIST 3 ROLLER CLUTCH ダイ 3 レジローラ クラツチ	CL4
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 79	PCB			CASSETTE SIZE SENSING 1 カセツト サイズ ケンチ キバン	CST1
	VS1 – 0867 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J 80	PCB			CASSETTE SIZE SENSING 2 カセツト サイズ ケンチ キバン	CST2
	VS1 – 0867 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J 81	NPN			LOWER FEEDER MOTOR シタ ハンソウ モータ	M5
	VS1 – 0192 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J 82	NPN			REGIST 3 FRONT SENSOR ダイ 3 レジスト マエ センサ	Q16
	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 83	VS4 – 0001 – 001		1	CONNECTOR, 1P, MALE コネクタ (オス)	
	WS4 – 0220 – 000		1	PIN CONTACT, 22 – 26AWG ピン コンタクト	
J 84	VS4 – 0002 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
	WS4 – 0218 – 000		1	SOCKET, CONTACT, 22 – 26AWG ソケツト コンタクト	
J 90	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 91	NPN			HOPPER TONER SENSOR ホツパ トナーセンサ	Q18

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
B – J 91	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 92	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
	VS1 – 0852 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
	VS1 – 5057 – 003		1	CONNECTOR, SNAP TIGHT チュウケイ コネクタ	
J102	PCB			DC CONTROLLER DC コントローラ	
J102A	VS1 – 0842 – 014		1	CONNECTOR, 14P, FEMALE コネクタ (メス)	
J102B	VS1 – 0852 – 014		1	CONNECTOR, 14P, FEMALE コネクタ (メス)	
J102H	VS9 – 5007 – 028		1	CONNECTOR, 28P, FEMALE コネクタ (メス)	
J103	PCB			DC CONTROLLER DC コントローラ	
J103A	VS1 – 0842 – 013		1	CONNECTOR, 13P, FEMALE コネクタ (メス)	
J103B	VS1 – 0852 – 013		1	CONNECTOR, 13P, FEMALE コネクタ (メス)	
J103H	VS9 – 5007 – 026		1	CONNECTOR, 26P, FEMALE コネクタ (メス)	
J104	PCB			DC CONTROLLER DC コントローラ	
J104A	VS1 – 0842 – 009		1	CONNECTOR, 9P, FEMALE コネクタ (メス)	
J104B	VS1 – 0852 – 009		1	CONNECTOR, 9P, FEMALE コネクタ (メス)	
J104H	VS9 – 5007 – 018		1	CONNECTOR, 18P, FEMALE コネクタ (メス)	
J105	PCB			DC CONTROLLER DC コントローラ	
	VS3 – 0044 – 008		1	CONNECTOR, 8P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		8	SOCKET, CONTACT, 18 – 24AWG ソケツト コンタクト	
J106	PCB			DC CONTROLLER DC コントローラ	
	VS3 – 0044 – 004		1	CONNECTOR, PCB, 4P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		4	SOCKET, CONTACT, 18 – 24AWG ソケツト コンタクト	
J108	PCB			DC CONTROLLER DC コントローラ	
J108A	VS1 – 0842 – 011		1	CONNECTOR, 11P, FEMALE コネクタ (メス)	
J108B	VS1 – 0852 – 011		1	CONNECTOR, 11P, FEMALE コネクタ (メス)	
J108H	VS9 – 5007 – 022		1	CONNECTOR, 22P, FEMALE コネクタ (メス)	
J109	PCB			DC CONTROLLER DC コントローラ	
J109A	VS1 – 0842 – 014		1	CONNECTOR, 14P, FEMALE コネクタ (メス)	
J109B	VS1 – 0852 – 014		1	CONNECTOR, 14P, FEMALE コネクタ (メス)	
J109H	VS9 – 5007 – 028		1	CONNECTOR, 28P, FEMALE コネクタ (メス)	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
B – J110	PCB			DC CONTROLLER DC コントローラ	
J110A	VS1 – 0842 – 014		1	CONNECTOR, 14P, FEMALE コネクタ (メス)	
J110B	VS1 – 0852 – 014		1	CONNECTOR, 14P, FEMALE コネクタ (メス)	
J110H	VS9 – 5007 – 028		1	CONNECTOR, 28P, FEMALE コネクタ (メス)	
J111	PCB			DC CONTROLLER DC コントローラ	
J111A	VS1 – 0842 – 011		1	CONNECTOR, 11P, FEMALE コネクタ (メス)	
J111B	VS1 – 0852 – 011		1	CONNECTOR, 11P, FEMALE コネクタ (メス)	
J111H	VS9 – 5007 – 022		1	CONNECTOR, 22P, FEMALE コネクタ (メス)	
J112	PCB			DC CONTROLLER DC コントローラ	
	VS3 – 5008 – 034		1	CONNECTOR, 34P コネクタ	
	WS3 – 1305 – 000		33	SOCKET, CONTACT, 26AWG ソケット コンタクト	
J113	PCB			DC CONTROLLER DC コントローラ	
	VS1 – 0203 – 014		1	CONNECTOR, 14P, FEMALE コネクタ (メス)	
J114	PCB			DC CONTROLLER DC コントローラ	
J114A	VS1 – 0842 – 014		1	CONNECTOR, 14P, FEMALE コネクタ (メス)	
J114B	VS1 – 0852 – 014		1	CONNECTOR, 14P, FEMALE コネクタ (メス)	
J114H	VS9 – 5007 – 028		1	CONNECTOR, 28P, FEMALE コネクタ (メス)	
J117	PCB			DC CONTROLLER DC コントローラ	
	VS1 – 0842 – 008		1	CONNECTOR, 8P, FEMALE コネクタ (メス)	
J118	NPN			FEEDER MOTOR (LOWER) シタ ハンソウ モータ	M6
	PCB			DC CONTROLLER DC コントローラ	
J119	PCB			DC CONTROLLER DC コントローラ	
	VS3 – 5008 – 034		1	CONNECTOR, 34P コネクタ	
	WS3 – 1305 – 000		32	SOCKET, CONTACT, 26AWG ソケット コンタクト	
J150	VS3 – 5008 – 034		1	CONNECTOR, 34P コネクタ	
J400	VS1 – 0842 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J401	PCB			LAMP REGULATOR ランプ レギュレータ	CVR
	VS3 – 0044 – 004		1	CONNECTOR, PCB, 4P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		3	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J402	PCB			LAMP REGULATOR ランプ レギュレータ	CVR

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
B – J403	PCB			LAMP REGULATOR ランプ レギュレータ	CVR
J451	PCB			FUSE CIRCUIT ヒューズ カイロキバン	
	VS3 – 0044 – 007		1	CONNECTOR, 7P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		2	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J452	PCB			FUSE CIRCUIT ヒューズ カイロキバン	
	VS3 – 0044 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		6	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J453	PCB			FUSE CIRCUIT ヒューズ カイロキバン	
	VS3 – 0044 – 010		1	CONNECTOR, 10P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		10	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J454	PCB			FUSE CIRCUIT ヒューズ カイロキバン	
J651	PCB			HVT – DC HVT – DC	
	VS1 – 0192 – 009		1	CONNECTOR, 9P, FEMALE コネクタ (メス)	
J653	PCB			HVT – DC HVT – DC	
	VS3 – 0044 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		1	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J656	PCB			HVT – AC HVT – AC	
	VS1 – 0192 – 004		1	CONNECTOR, 4P, FEMALE コネクタ (メス)	
J657	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J751A	PCB			DOCUMENT DETECTION 1 ゲンコウ サイズ ケンチ 1	
	VS1 – 0842 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J751B	PCB			DOCUMENT DETECTION 1 ゲンコウ サイズ ケンチ 1	
	VS1 – 0842 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J752B	PCB			DOCUMENT DETECTION 2 ゲンコウ サイズ ケンチ 2	
	VS1 – 0842 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J752C	PCB			DOCUMENT DETECTION 2 ゲンコウ サイズ ケンチ 2	
	VS1 – 0842 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J801	PCB			DC POWER SUPPLY 1 DC デンゲン 1	DCP1
	VS3 – 0044 – 005		1	CONNECTOR, 5P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		4	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER / REMARKS
B – J802	PCB			DC POWER SUPPLY 1 DC デンゲン 1	DCP1
	VS3 – 0045 – 009		1	CONNECTOR, 9P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		9	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J804	PCB			DC POWER SUPPLY 1 DC デンゲン 1	DCP1
	VS3 – 0044 – 007		1	CONNECTOR, 7P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		5	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J805	PCB			DC POWER SUPPLY 1 DC デンゲン 1	DCP1
	VS3 – 0044 – 008		1	CONNECTOR, 8P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		7	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J806	PCB			DC POWER SUPPLY 2 DC デンゲン 2	DCP2
	VS3 – 0044 – 002		1	CONNECTOR, PCB, 2P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		2	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J807	PCB			DC POWER SUPPLY 2 DC デンゲン 2	DCP2
	VS3 – 0044 – 004		1	CONNECTOR, PCB, 4P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		4	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J808	PCB			DC POWER SUPPLY 2 DC デンゲン 2	DCP2
J811	PCB			MOTOR DRIVER モータ ドライバ カイロキバン	
	VS3 – 0044 – 007		1	CONNECTOR, 7P, FEMALE コネクタ (メス)	
	WS3 – 0916 – 000		6	SOCKET, CONTACT, 18 – 24AWG ソケット コンタクト	
J812	PCB			MOTOR DRIVER モータ ドライバ カイロキバン	
	VS1 – 0842 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J813	NPN			SCANNER MOTOR コウガク モータ	M2
	PCB			MOTOR DRIVER モータ ドライバ カイロキバン	
J814	NPN			MAIN MOTOR メイン モータ	M1
	PCB			MOTOR DRIVER モータ ドライバ カイロキバン	

CASSETTE FEEDING UNIT-D1

カセットペディスタル-D1

[F22-6603 ZDN00001-]

FIGURE ZA ASSEMBLY LOCATION DIAGRAM
主要部品配置図

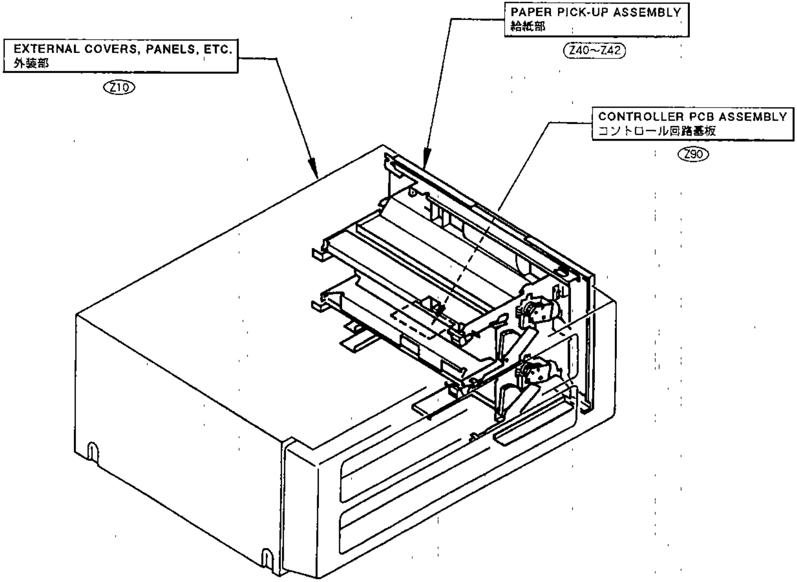

PAPER PICK-UP ASSEMBLY
給紙部
Z40~Z42
EXTERNAL COVERS, PANELS, ETC.
外装部
Z10
CONTROLLER PCB ASSEMBLY
コントロール回路基板
Z90

FIGURE Z10 EXTERNAL COVERS, PANELS, ETC.
外装部

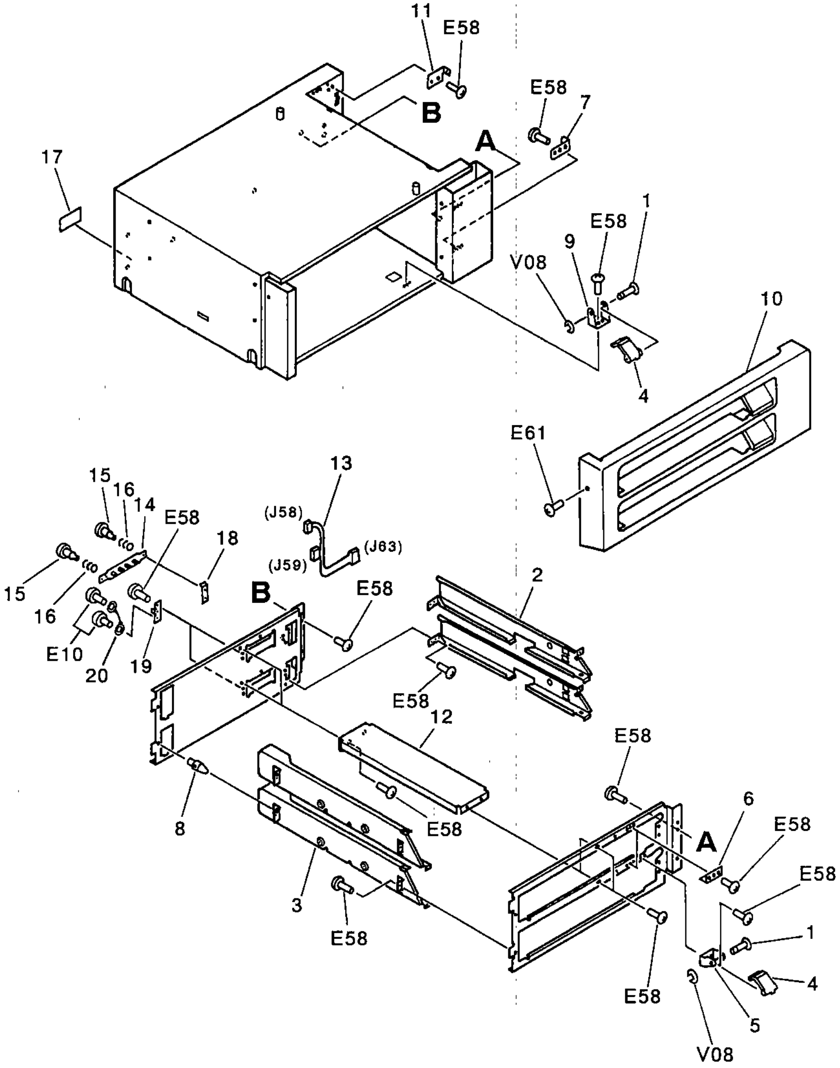
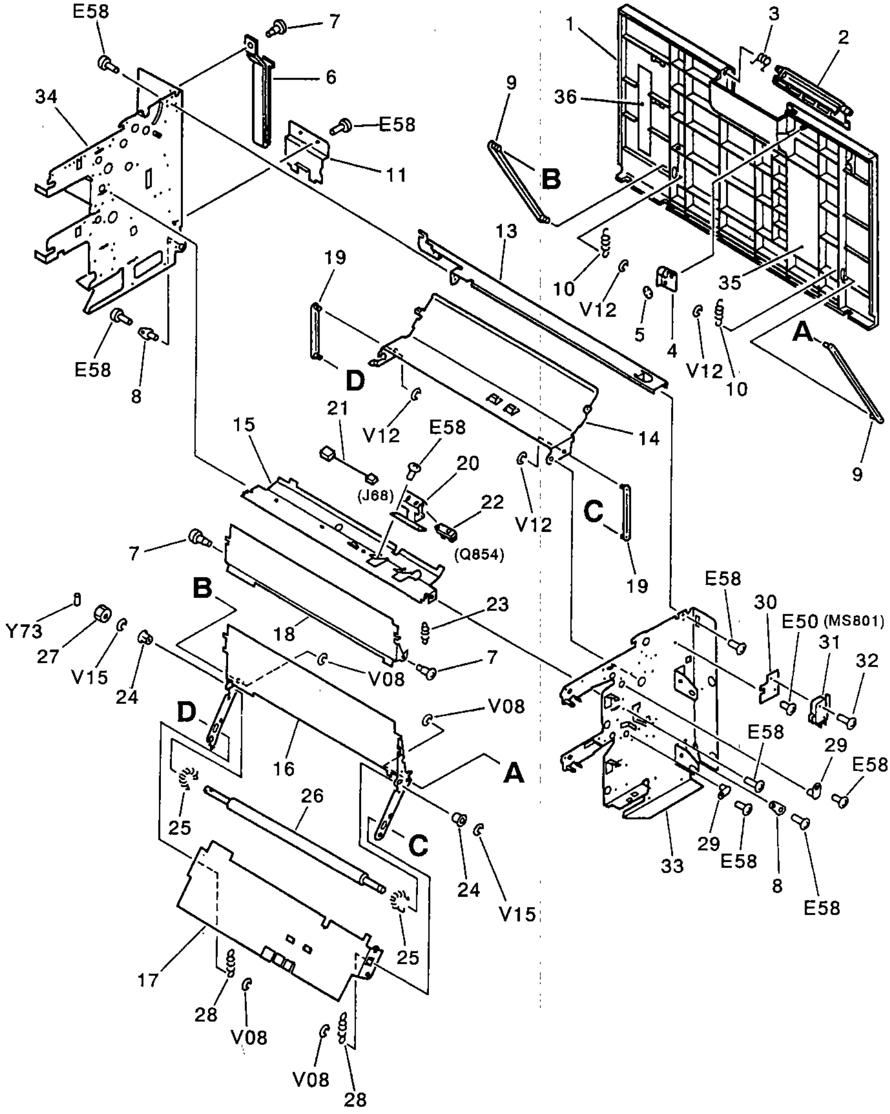

11
E58
E58
7
B
A
17
1
E58
9
V08
10
4
E61
13
(J58)
(J63)
(J59)
15
16
14
E58
18
15
16
E10
20
19
B
E58
2
E58
12
E58
8
E58
3
E58
6
A
E58
E58
1
E58
4
5
V08

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z10 –	NPN		RF	EXTERNAL COVERS, PANELS, ETC. ガイソウ ブ	
1	FA3 – 8719 – 000		2	ROD サイド キセイ ジク	
2	FB1 – 6135 – 000	N	2	GUIDE, CASSETTE, RIGHT カセット ステー (ミギ)	
3	FB1 – 6136 – 000	N	2	GUIDE, CASSETTE, LEFT カセット ステー (ヒダリ)	
4	FA5 – 3181 – 000		2	ARM, GUIDE RELEASE ガイド カイジヨ アーム	
5	FA5 – 3182 – 000		1	MOUNT, ARM, UPPER アーム ダイ (ウエ)	
6	FA5 – 3184 – 000		2	PLATE, CASSETTE POSITIONING カセット イチ ギメ バン	
7	FA5 – 3460 – 000		2	PLATE, PD GUIDE PD セッチ イタ	
8	FA5 – 3474 – 000		2	PIN イチギメ ピン	
9	FA5 – 3475 – 000		1	PLATE, HOLDER ホルダ	
10	FC1 – 3321 – 000		1	COVER, FRONT マエ カバー	
11	FA5 – 3477 – 000		1	BRACKET, MOUNTING, UPPER REAR トリツケ イタ (ウエ ウシロ)	
12	FA5 – 3478 – 020		2	SUPPORT サポート	
13	FF2 – 0903 – 000		1	CORD コード	
14	FH7 – 6113 – 000		2	PUSH SWITCH ASSEMBLY カセット サイズ ケンチ スイッチ	
15	FS2 – 9002 – 000		4	SCREW, STEPPED, M4 ダン ビス	
16	FS3 – 2044 – 000		4	SPRING, COMPRESSION アツシユク バネ	
17	FC1 – 5144 – 000		1	NAME PLATE メイショウ メイハン	
18	FA9 – 1979 – 000		2	MOUNT, PAPER SIZE SENSING, 1 サイズ ケンチ キダイ (1)	
19	FA9 – 1978 – 000		2	MOUNT, PAPER SIZE SENSING, 2 サイズ ケンチ キダイ (2)	
20	FF9 – 1091 – 020		2	WIRE, GROUNDING アース コード	

FIGURE Z40 PAPER PICK-UP ASSEMBLY 1
給紙部 1


E58
7
6
34
E58
11
E58
8
1
3
2
9
36
B
13
19
10
V12
35
5
4
V12
10
A
9
D
21
V12
E58
20
15
14
(J68)
22
V12
(Q854)
C
7
19
B
23
E58
30
E50 (MS801)
31
32
Y73
18
27
V15
24
7
V08
V08
D
16
A
29
E58
E58
25
26
C
24
V15
33
29
E58
8
E58
25
17
28
V08
V08
28

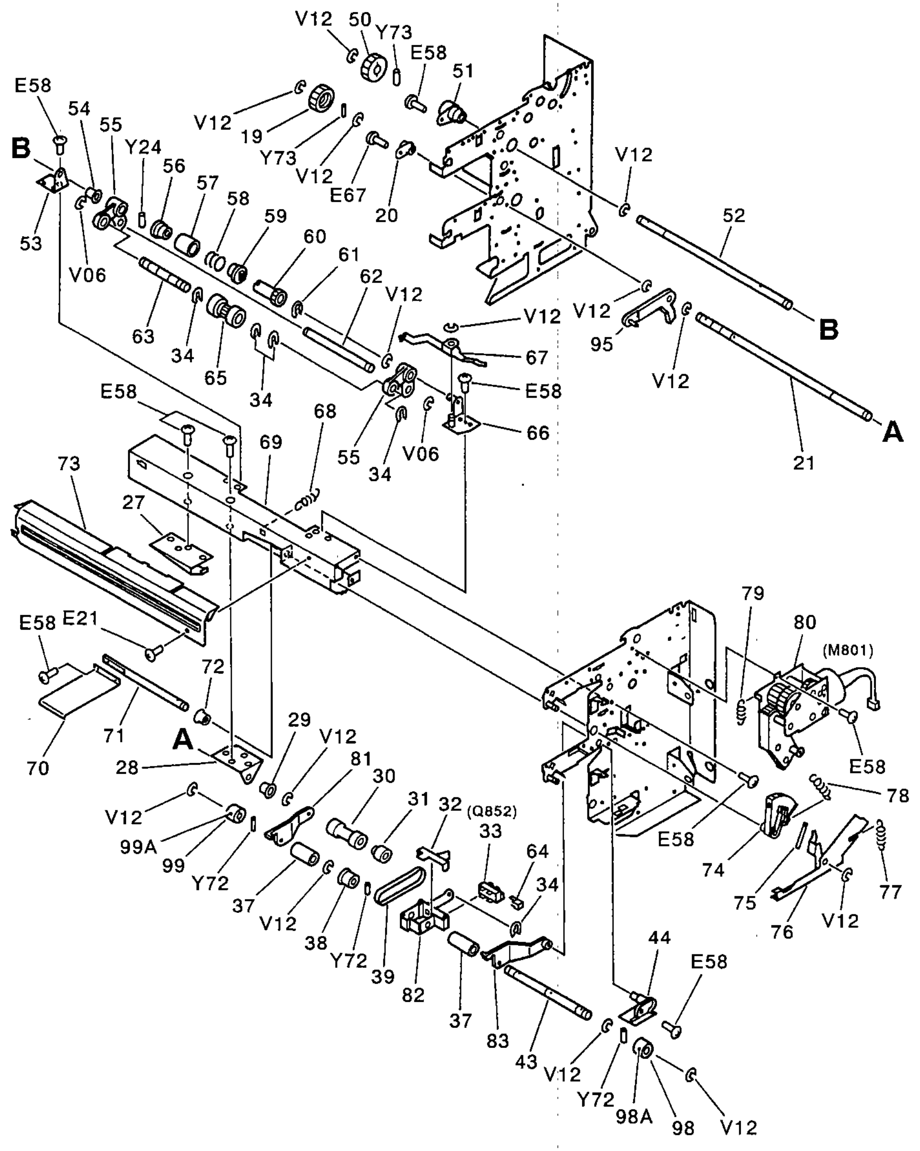
NOTE: The assembly comes with all the parts shown in Figures Z40, Z41 and Z42.

注 ： このユニットは、 Figure Z40, Z41 と Z42 の全てのパーツで構成されています。

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z40 –	FG2 – 4006 – 090		1	PAPER PICK – UP ASSEMBLY キュウシ ブ	SEE NOTE
1	FC1 – 3325 – 000		1	DOOR, RIGHT ドア (ミギ)	
2	FB1 – 5918 – 000		1	CATCH トツテ	
3	FA5 – 2888 – 020		1	SPRING, TORSION ネジリ バネ	
4	FA5 – 2887 – 000		1	HOLDER, CATCH トツテ ホルダ	
5	XA9 – 0135 – 000		2	NUT, PUSH プッシュ ナット	
6	FA9 – 2484 – 000		1	STOP, RIGHT LOWER DOOR ミギシタ ササエ テープ	
7	FS1 – 9076 – 000		3	SCREW, STEPPED, M4 ダンビス	
8	FF2 – 0446 – 000		2	STUD シ ジク	
9	FF2 – 0444 – 000		2	LINK, 2 リンク 2	
10	FS3 – 2015 – 000		2	SPRING, TENSION ヒツパリ バネ	
11	FA5 – 3514 – 000		1	PLATE コネクタ カバー	
13	FA5 – 3484 – 000		1	CROSSMEMBER, RIGHT UPPER ステー (ミギ ウエ)	
14	FA5 – 3486 – 000		1	GUIDE, UPPER ガイド (ウエ)	
15	FA5 – 3487 – 000		1	GUIDE, MIDDLE ガイド (ナカ)	
16	FA5 – 3488 – 000		1	GUIDE, LOWER, I ガイド I (シタ)	
17	FA5 – 3489 – 000		1	GUIDE, LOWER, II ガイド II (シタ)	
18	FA5 – 3490 – 000		1	GUIDE カイヘイガイド	
19	FF2 – 0443 – 000		2	LINK, 1 リンク 1	
20	FF2 – 0453 – 000		1	MOUNT, SENSOR ダイ 4 レジスト センサ ダイ	
21	FF2 – 1451 – 000		1	CABLE, REGISTRATION SENSOR レジスト センサ ソクセン	
22	FH7 – 7155 – 000		1	PHOTO – INTERRUPTER フオトインタラプタ	
23	FS3 – 2048 – 000		2	SPRING, TENSION ヒツパリ バネ	
24	FS1 – 1465 – 000		2	BUSHING ブッシング	
25	FS1 – 2370 – 000		2	SPRING, TENSION ヒツパリ バネ	
26	FA5 – 3406 – 000		1	ROLLER, SHAFT ジュウドウ ローラ	
27	FS3 – 0076 – 000		1	GEAR, 16T 16T ギア	
28	FS3 – 2014 – 000		2	SPRING, TENSION ヒツパリ バネ	
29	FA5 – 2839 – 000		2	PLATE, PIN フロート ピン	
30	FA3 – 3898 – 000		1	PLATE, DOOR SWITCH ドア スイッチ ダイ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z40 – 31	WC4 – 0134 – 000		1	MICROSWITCH マイクロ スイッチ	
32	XB1 – 2301 – 409		2	SCREW,MACH.,TRUSS HEAD,M3X14 バインド ネジ	
33	FF2 – 0451 – 000	N	1	PLATE, FRONT マエ ソクバン	
34	FF2 – 0441 – 000	N	1	PLATE, REAR ウシロ ソクバン	
35	FS4 – 8043 – 000		1	LABEL ラベル	
36	FS4 – 8044 – 020		1	LABEL ラベル	

FIGURE Z41 PAPER PICK-UP ASSEMBLY 2 (1/3)
給紙部 2 (1/3)


V12
50
Y73
E58
51
E58
54
55
Y24
56
57
58
59
60
61
62
V12
19
Y73
V12
E67
20
B
53
V06
63
34
65
34
V12
V12
67
E58
66
95
V12
52
B
21
A
E58
69
68
55
34
V06
73
27
E58
E21
72
71
70
A
28
29
V12
81
30
31
32
(Q852)
33
64
34
V12
99A
99
Y72
37
V12
38
Y72
39
82
37
83
43
V12
Y72
98A
98
V12
44
E58
79
80
(M801)
E58
78
E58
74
75
76
V12
77

NOTE: The assembly comes with all the parts shown in Figures Z40, Z41 and Z42.

注 : このユニットは、 Figure Z40, Z41 と Z42 の全てのパーツで構成されています。

FIGURE Z41 PAPER PICK-UP ASSEMBLY 2 (2/3)
給紙部 2 (2/3)

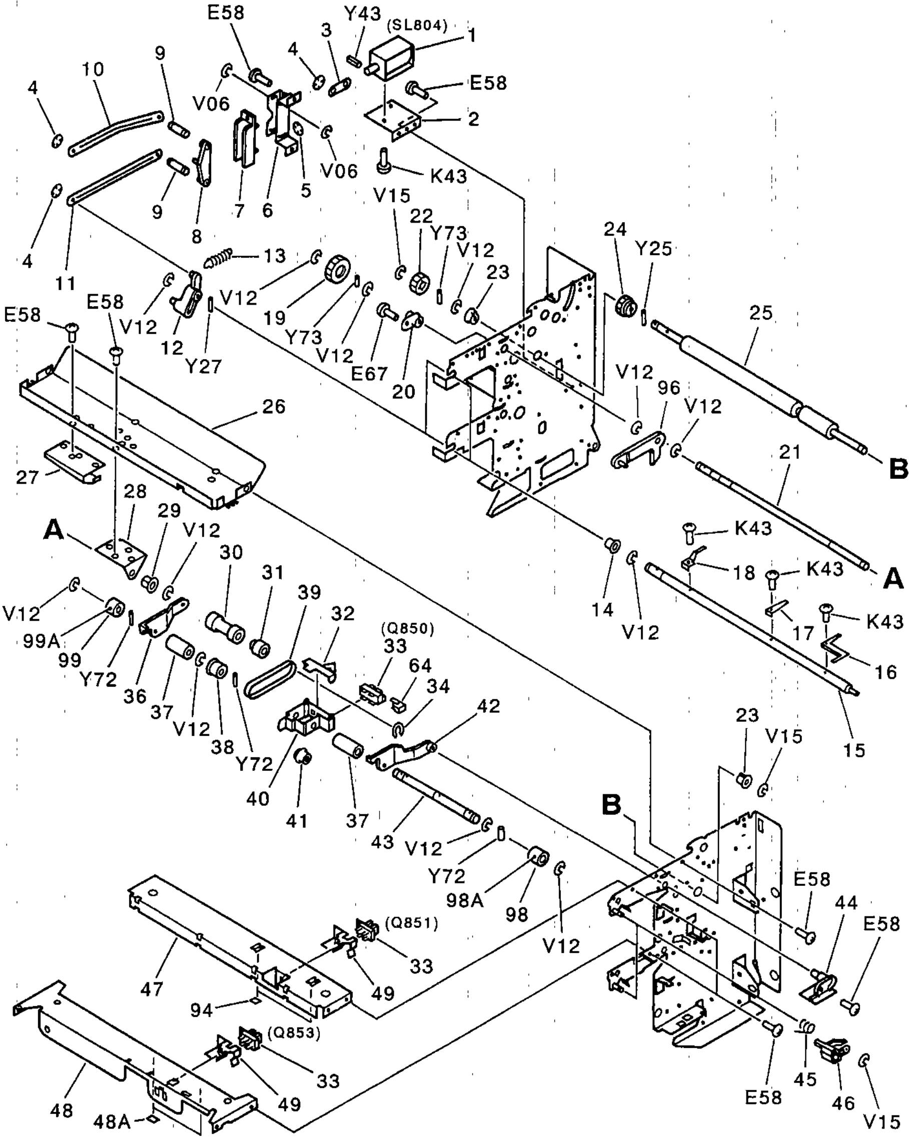
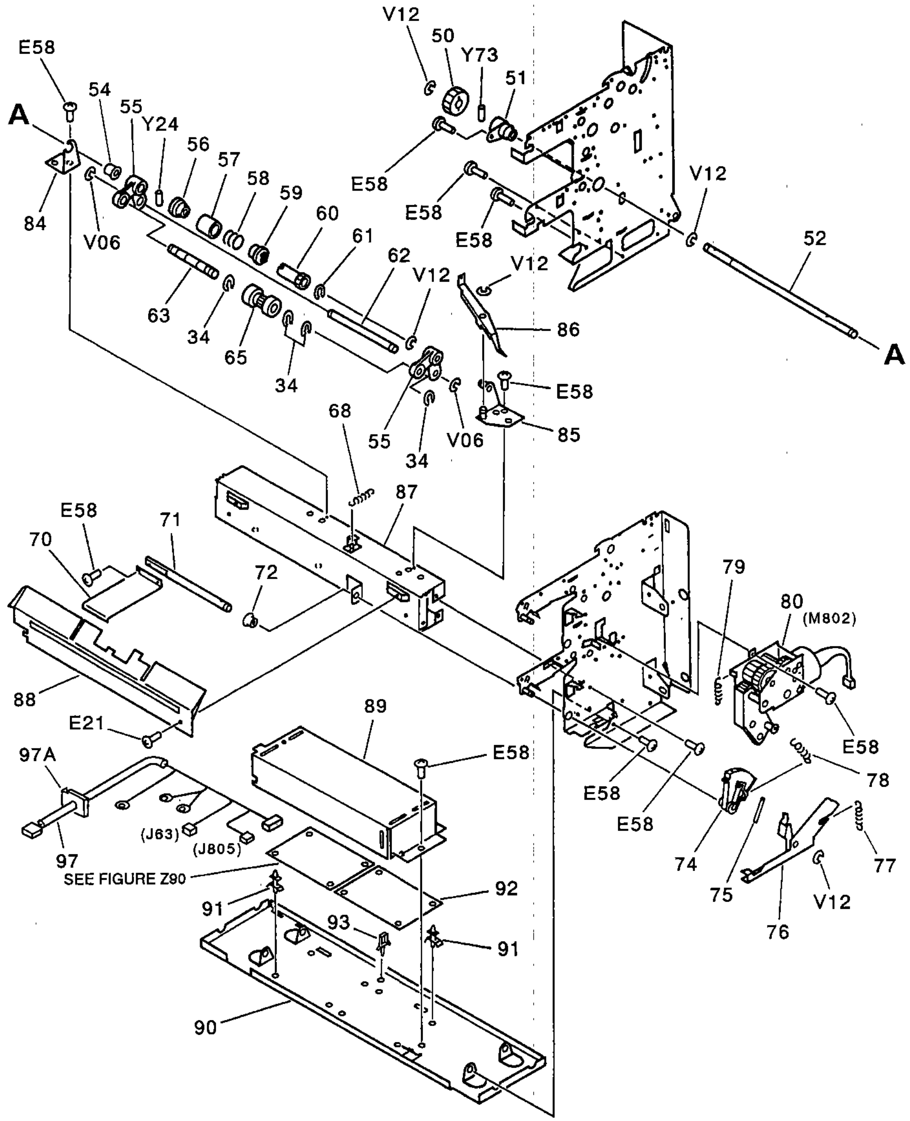

E58
Y43
(SL804)
1
3
4
E58
2
9
10
4
V06
V06
K43
9
7
6
5
V15
4
11
8
13
22
Y73
V12
23
24
Y25
25
E58
E58
V12
12
Y27
V12
19
Y73
V12
E67
20
V12
96
V12
21
B
26
27
28
A
29
V12
30
31
39
32
K43
18
K43
A
V12
99A
99
Y72
36
37
V12
38
Y72
(Q850)
33
64
34
42
40
41
37
43
V12
Y72
98A
98
V12
14
V12
17
K43
16
15
23
V15
B
E58
44
E58
47
94
(Q851)
33
49
48
48A
(Q853)
33
49
E58
45
46
V15

FIGURE Z41 PAPER PICK-UP ASSEMBLY 2 ($^3/_3$)
給紙部 2 ($^3/_3$)



V12
50
Y73
51
E58
54
55
Y24
56
57
58
59
60
61
62
A
84
V06
63
34
65
34
V12
E58
E58
E58
V12
V12
52
A
86
E58
55
34
V06
85
68
87
E58
70
71
72
88
E21
97A
97
(J63)
(J805)
SEE FIGURE Z90
89
E58
91
93
91
92
90
79
80
(M802)
E58
78
E58
E58
74
75
76
77
V12

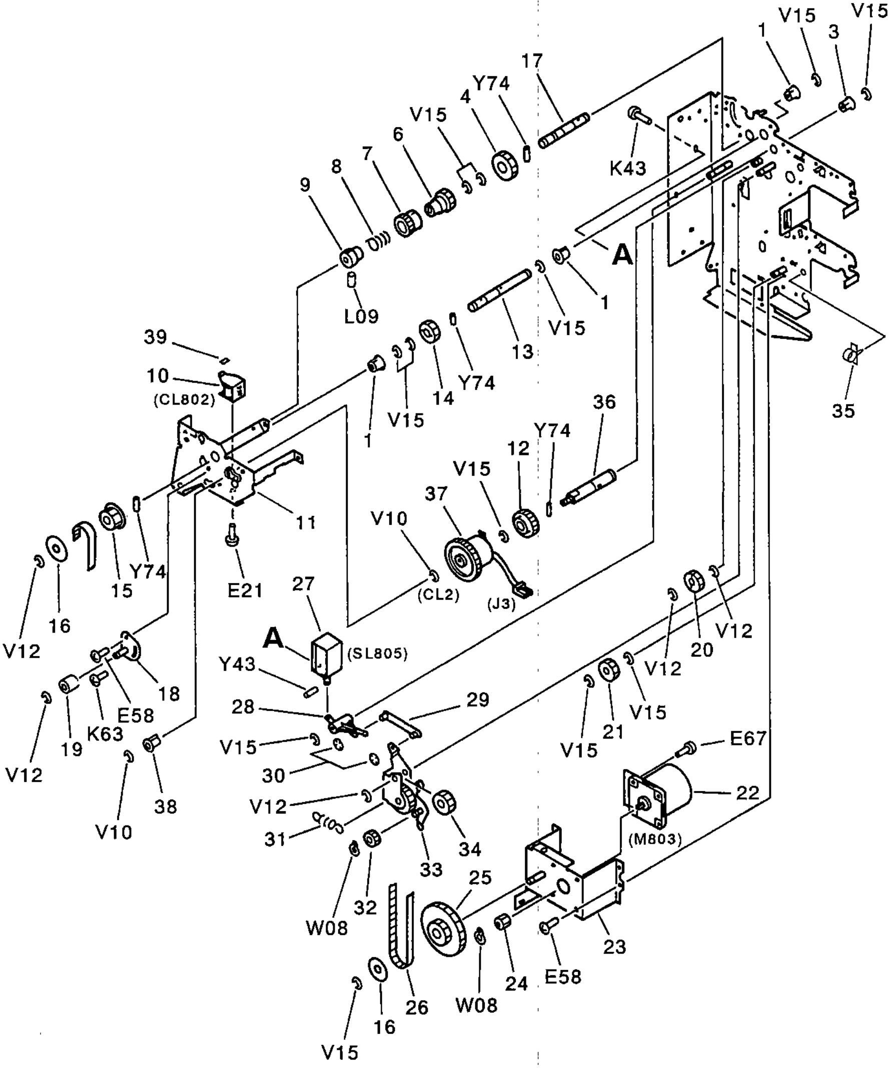
FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z41 –	FG2 – 4006 – 090		1	PAPER PICK – UP ASSEMBLY キュウシ ブ	SEE NOTE
1	FH7 – 5264 – 000		2	SOLENOID, DC24V ソレノイド	
2	FA5 – 3499 – 000		1	PLATE, SOLENOID MOUNT, I ソレノイド ダイ (I)	
3	FA5 – 2916 – 000		1	ARM, LINK ソレノイド リンク	
4	XD9 – 0037 – 000		3	RING, SE SE リング	
5	XA9 – 0135 – 000		2	NUT, PUSH プツシユ ナット	
6	FA5 – 3501 – 000		1	PLATE, SELECT センタク キダイ	
7	FA5 – 2914 – 000		1	SLIDER スライダ	
8	FA5 – 2915 – 000		1	ARM, LINK センター リンク	
9	FA5 – 2919 – 000		2	SHAFT センタク リスク ジク	
10	FA5 – 2917 – 000		1	ARM, LINK, UPPER ウエ リンク	
11	FA5 – 2918 – 000		1	ARM, LINK, LOWER シタ リンク	
12	FA5 – 2873 – 000		2	ARM,REL., PICK – UP ROLLER, REAR キユウシ ローラ カイジヨアーム(ウシロ)	
13	FS3 – 2011 – 000		2	SPRING, TENSION ヒツパリ バネ	
14	FS1 – 1206 – 000		2	BUSHING ブツシング	
15	FA5 – 3505 – 000		2	SHAFT, PICK – UP RELEASE, A ピツクアツプ カイジヨ ジク (A)	
16	FA5 – 2874 – 000		2	PLATE,REL.,PICK – UP ROL., FRONT キユウシ ローラ カイジヨ バン(マエ)	
17	FA5 – 2875 – 000		2	PLATE,REL., PICK – UP ROL., REAR キユウシ ローラ カイジヨバン(ウシロ)	
18	FA5 – 2930 – 000		1	ARM, RELEASE オク カイジヨ アーム	
19	FS3 – 0029 – 000		2	GEAR, 27T 27T ギア	
20	FS2 – 1006 – 000		2	BUSHING ジク ウケ	
21	FA5 – 3507 – 000		2	SHAFT, B ジク (B)	
22	FS1 – 0422 – 000		1	GEAR, 20T 20T ギア	
23	FS1 – 1202 – 000		2	BUSHING ブツシング	
24	FS3 – 0077 – 000		1	GEAR, 24T 24T ギア	
25	FA5 – 3502 – 000		1	REGISTRATION ROLLER 4, UPPER ダイ4 レジストローラ(ウエ)	
26	FA5 – 3483 – 000		1	BASE, CASSETTE HOLDER, UPPER ステー(ウエ)	
27	FA5 – 2844 – 000		2	GUIDE PLATE, REAR ガイド(オク)	
28	FA5 – 2847 – 000		2	PLATE, FEED ROLLER ハンソウ ローラ ジク シバン	
29	FS2 – 1005 – 000		2	BUSHING ブッシング	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z41 – 30	FA5 – 2933 – 020		2	ROLLER, FEEDER ハンソウ ローラ	
31	FS2 – 3003 – 000		2	PULLEY, ONE WAY ワンウエイ プーリ	
32	FA5 – 2853 – 000		2	ARM, PAPER SENSING カミ ケンチ アーム	
33	FH7 – 7155 – 000		4	PHOTO – INTERRUPTER フオトインタラプタ	
34	FA3 – 8727 – 000		10	RETAINING RING トメ ワ	
36	FA5 – 2851 – 000		1	ARM,PICK – UP ROLLER, UPPER REAR キュウシ ローラ アーム (ウエ ウシロ)	
37	FS2 – 6001 – 000		4	SPACER, WEIGHT ウエイト カラー	
38	FS2 – 3004 – 000		2	PULLEY, PICK – UP ROLLER キュウシ プーリ	
39	XF9 – 0094 – 000		2	BELT, TIMING, 63T タイミング ベルト	
40	FA5 – 2852 – 000		1	GUIDE, PAPER SENSING, UPPER カミ ケンチ ガイド (ウエ)	
41	FS2 – 6003 – 000		2	ROLLER ケンチ コロ	
42	FA5 – 2850 – 000		1	ARM,PICK – UP ROLLER,UPPER FRONT キュウシ ローラ アーム (ウエ マエ)	
43	FA5 – 2849 – 000		2	SHAFT, PICK – UP ROLLER キュウシ ローラ ジク	
44	FA5 – 2922 – 000		2	SHAFT, A A シジク	
45	FA5 – 2876 – 000		2	SPRING, TORSION ネジリ バネ	
46	FA5 – 2872 – 000		2	ARM,REL.,PICK – UP ROLLER, FRONT キュウシ ローラ カイジヨ アーム (マエ)	
47	FA5 – 3485 – 000		1	PLATE, SENSOR MOUNTING, UPPER センサ キダイ (ウエ)	
48	FF9 – 1093 – 050		1	PLATE, SENSOR MOUNTING, LOWER センサ キダイ (シタ)	
48A	FA5 – 2931 – 000		2	PAD パッド	
49	FA5 – 2856 – 020		2	GUIDE, SENSOR センサ ガイド	
50	FS3 – 0101 – 000		2	GEAR, 26T 26T ギア	
51	FS2 – 1013 – 000		2	BUSHING ジク ウケ	
52	FA5 – 3508 – 000		2	SHAFT, C' ジク (C')	
53	FA5 – 2845 – 000		1	PLATE, SEP.ROLLER, REAR, UPPER ウエ ブンリ ジク シバン (ウシロ)	
54	FS1 – 1187 – 000		2	BUSHING ブッシング	
55	FA5 – 2868 – 000		4	ARM, SEPARATION ROLLER ブンリ ローラ アーム	
56	FA5 – 2865 – 000		2	DRUM, CLUTCH DRIVEN ニユウリヨク ドラム	
57	FA3 – 8730 – 000		2	RING, CLUTCH ACTION クラッチ ケース	
58	FS3 – 2008 – 000		2	SPRING, TORSION ネジリ バネ	
59	FA3 – 8729 – 000		2	DRUM, CLUTCH DRIVING クラッチ ドラム	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z41 – 60	FS3 – 0023 – 000		2	GEAR, 27T 27T ギア	
61	FA5 – 2864 – 020		2	RETAINING, RING トメワ	
62	FA5 – 2857 – 000		2	SHAFT ブンリ ローラ カウンタ ジク	
63	FA5 – 2866 – 000		2	SHAFT 1, SEPARATION ROLLER ブンリ ローラ ジク 1	
64	FA5 – 2921 – 020		2	GUIDE コネクタ ガイド	
65	FA9 – 2760 – 000		2	ROLLER, SEPARATION ブンリ ローラ	
66	FF2 – 0088 – 000		1	PLATE, SEP.ROLLER, FRONT,UPPER ウエ ブンリ ジク シバン (マエ)	
67	FA5 – 2869 – 000		1	PLATE,RELEASE,SEP.ROLLER,UPPER ブンリ ローラ カイジヨ バン (ウエ)	
68	FS3 – 2012 – 000		2	SPRING, TENSION ヒツパリ バネ	
69	FA5 – 2819 – 030		1	BASE, CASSETTE HOLDER, MIDDLE ステー (ナカ)	
70	FA5 – 2878 – 000		2	PLATE, LIFTING カアツ バン	
71	FA5 – 2877 – 000		2	SHAFT カアツ ジク	
72	FS2 – 1008 – 000		2	BUSHING ブッシング	
73	FA5 – 2837 – 000		1	GUIDE, ENTRY, UPPER シンニユウ ガイド (ウエ)	
74	FA5 – 2880 – 000		2	GEAR, SECTOR オウギ ガタ ギア	
75	FA5 – 2924 – 000		2	PIN,DOWEL ヘイコウ ピン	
76	FA5 – 2879 – 000		2	PLATE, RELEASE, LIFTING カアツ カイジヨ バン	
77	FA9 – 2610 – 000		2	SPRING ヒツパリ バネ	
78	FS1 – 2707 – 000		2	SPRING, TENSION ヒツパリ バネ	
79	FA9 – 2609 – 000		2	SPRING,TENSION ヒツパリ バネ	
80	FH7 – 1584 – 000		2	MOTOR, GEARD, DC24V DC ギヤード モータ	
81	FA5 – 2862 – 000		1	ARM,PICK – UP ROLLER, LOWER REAR キユウシ ローラ アーム (シタ ウシロ)	
82	FA5 – 2860 – 000		1	GUIDE, PAPER SENSING, LOWER カミ ケンチ ガイド (シタ)	
83	FA5 – 2861 – 000		1	ARM,PICK – UP ROLLER,LOWER FRONT キユウシ ローラ アーム (シタ マエ)	
84	FA5 – 2858 – 000		1	PLATE, SEP.ROLLER, REAR, LOWER シタ ブンリ ジク シバン (ウシロ)	
85	FF2 – 0089 – 000		1	PLATE, SEP.ROLLER, FRONT,LOWER シタ ブンリ ジク シバン (マエ)	
86	FA5 – 2870 – 000		1	PLATE,RELEASE,SEP.ROLLER,LOWER ブンリ ローラ カイジヨ バン (シタ)	
87	FA5 – 2820 – 020		1	BASE, CASSETTE HOLDER, LOWER ステー (シタ)	
88	FA5 – 2838 – 020		1	GUIDE, ENTRY, LOWER シンニユウ ガイド (シタ)	
89	FA5 – 3496 – 000		1	COVER, PCB PCB カバー	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z41 – 90	FA5 – 3494 – 000		1	PLATE, BOTTOM ソコ イタ	
91	VT2 – 0006 – 004		8	SUPPORT, PCB ロッキング サポート	
92	FH6 – 3201 – 000		1	MOTOR DRIVER PCB UNIT モータ ドライバ キバン	
93	WT2 – 0400 – 000		3	WIRING HOLDER ソクセン ホルダ	
94	FA5 – 2931 – 000		2	PAD パッド	
95	FA5 – 2928 – 000		1	ARM, RELEASE, LOWER, REAR オク カイジヨ アーム (シタ)	
96	FA5 – 2927 – 000		1	ARM, RELEASE, UPPER, REAR オク カイジヨ アーム (ウエ)	
97	FG2 – 4004 – 000		1	INTERFACE CABLE インター フェイス ケーブル	
97A	FC1 – 3322 – 000		1	PLATE, CABLE ソクセン カバー	
98	FF9 – 1003 – 000		2	ROLLER A, 1 A ローラ (1)	
98A	FA5 – 2854 – 020		1	ROLLER, PICK – UP, RUBBER キユウシ ローラ ゴム	
99	FF9 – 1113 – 000		2	ROLLER, PICK – UP, REAR, SILVER キユウシ ローラ (ウシロ) (ギン)	
99A	FA5 – 2854 – 020		1	ROLLER, PICK – UP, RUBBER キユウシ ローラ ゴム	

FIGURE Z42 PAPER PICK-UP ASSEMBLY 3
給紙部 3


V15
V15
1
3
17
Y74
4
V15
6
7
8
9
K43
A
1
L09
V15
13
39
Y74
14
10
(CL802)
V15
1
36
Y74
12
V15
37
11
V10
E21
Y74
15
16
V12
(CL2)
(J3)
27
V12
16
V12
A
(SL805)
Y43
18
E58
K63
19
V12
28
29
V15
30
38
V10
V12
31
V12
20
V12
21
V15
V15
E67
22
(M803)
34
33
W08
32
25
23
26
16
V15
24
W08
E58
35

NOTE: The assembly comes with all the parts shown in Figures Z40, Z41 and Z42.

注 ： このユニットは、 Figure Z40, Z41 と Z42 の全てのパーツで構成されています。

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z42 –	FG2 – 4006 – 090		1	PAPER PICK – UP ASSEMBLY キュウシ ブ	SEE NOTE
1	FS1 – 1202 – 000		4	BUSHING ブツシング	
3	FS1 – 1449 – 000		1	BUSHING ブツシング	
4	FS3 – 0040 – 000		1	GEAR, 29T 29T ギア	
6	FS3 – 0078 – 000		1	GEAR, 24T 24T ギア	
7	FA3 – 8987 – 000		1	RING, RATCHET クラツチ セイギヨ カン	
8	FS1 – 2651 – 000		1	SPRING, TORSION ネジリ バネ	
9	FA2 – 5606 – 000		1	DRUM, CLUTCH DRIVEN バネウケ カナグ	
10	FH7 – 5154 – 000		1	SOLENOID, DC24V ソレノイド	
11	FA5 – 3497 – 000		1	MOUNT, SHAFT, UPPER クドウ ウワ イタ	
12	FS2 – 0485 – 000		1	GEAR, 32T 32T ギア	
13	FA5 – 3441 – 000		1	SHAFT, DRIVE クドウ ジク	
14	FS2 – 0544 – 000		1	GEAR, 24T 24T ギア	
15	FS2 – 3007 – 000		1	PULLEY, 16T 16T プーリ	
16	FS2 – 6010 – 000		2	FLANGE, PULLEY フランジ	
17	FA5 – 3510 – 000		1	SHAFT, CLUTCH ダイ 4 レジスト クラツチ ジク	
18	FF2 – 0438 – 000		1	PLATE, TENSION テンシヨナ バン	
19	FS2 – 6009 – 000		1	ROLLER, TENSION テンシヨン コロ	
20	FS3 – 0101 – 000		1	GEAR, 26T 26T ギア	
21	FS3 – 0080 – 000		1	GEAR, 27T 27T ギア	
22	FH7 – 1589 – 000		1	MOTOR, DC24V DC モータ	
23	FF2 – 0437 – 000		1	MOUNT, MOTOR モータ ダイ	
24	FS3 – 0104 – 000		1	GEAR, 18T 18T ギア	
25	FS2 – 3006 – 000		1	PULLEY/GEAR, 16T/75T 16T/75T プーリ/ギア	
26	XF9 – 0215 – 000		1	BELT ベルト	
27	FH7 – 5264 – 000		1	SOLENOID, DC24V ソレノイド	
28	FA5 – 3504 – 000		1	ARM キリカエ アーム	
29	FA5 – 2909 – 000		1	ARM キリカエ ヨウドウ バン	
30	XD9 – 0037 – 000		2	RING, SE SE リング	
31	FS3 – 2013 – 000		1	SPRING, TENSION ヒツパリ バネ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z42 – 32	FS3 – 0032 – 000		1	GEAR, 15T 15T ギア	
33	FF2 – 0091 – 000		1	GEAR UNIT, 26T キリカエ ヨウドウ バン	
34	FS3 – 0030 – 000		1	GEAR, 22T 22T ギア	
35	WT2 – 0400 – 000		7	WIRING HOLDER ソクセン ホルダ	
36	FA5 – 3515 – 000		1	SHAFT, CLUTCH クラッチ ジク	
37	FH7 – 5108 – 000		1	CLUTCH, ELECTROMAGNETIC デンジ クラッチ	
38	FS1 – 1446 – 000		1	BUSHING ブッシング	

FIGURE Z90 CONTROLLER PCB ASSEMBLY
コントローラ基板

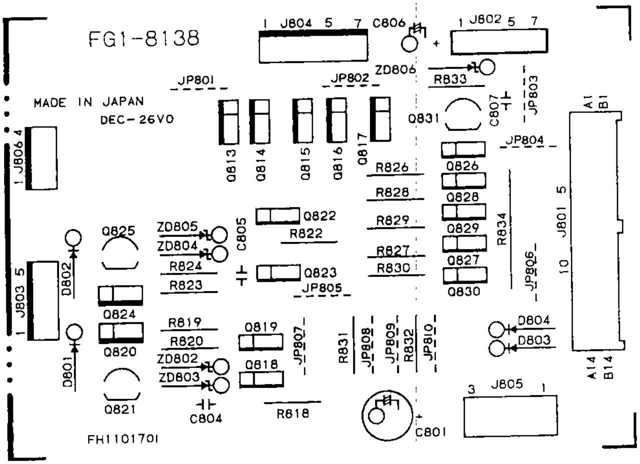

FG1-8138
MADE IN JAPAN
DEC-26V0
J804 1 5 7
C806
J802 1 5 7
ZD806
R833
JP801
JP802
JP803
C807
Q831
Q813
Q814
Q815
Q816
Q817
JP804
Q826
R826
R828
Q828
R829
Q829
R834
R827
Q827
R830
Q830
J806 1 4
J801 A1 B1 5 10 A14 B14
JP806
Q822
R822
C805
ZD805
ZD804
Q825
R824
R823
Q823
JP805
J803 1 5
D802
Q824
Q820
R819
R820
Q819
JP807
R831
JP808
JP809
R832
JP810
D804
D803
ZD802
ZD803
Q818
D801
Q821
C804
R818
C801
J805 3 1
FH1101701

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z90 –	FG1 – 8138 – 000		1	CONTROLLER PCB ASSEMBLY コントローラ キバン	NEXT FIGURE Z41
C801	VC1 – 2351 – 107		1	ELECT.CAPACITOR, 100UF, 35V コンデンサ	
C804	VC4 – 4504 – 103		1	CAPACITOR, CERAMIC, 0.01UF,50V コンデンサ	
C805	VC4 – 4504 – 103		1	CAPACITOR, CERAMIC, 0.01UF,50V コンデンサ	
C806	VC1 – 2351 – 106		1	CAPACITOR, 10UF, 35V コンデンサ	
C807	VC4 – 4504 – 103		1	CAPACITOR, CERAMIC, 0.01UF,50V コンデンサ	
D801	WA1 – 0474 – 000		1	DIODE, S5566B ダイオード	
D802	WA1 – 0474 – 000		1	DIODE, S5566B ダイオード	
D803	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
D804	X65 – 5032 – 000		1	DIODE, 1S1588 ダイオード	
J801	VS1 – 0379 – 028		1	CONNECTOR, 28P コネクタ	
J802	VS1 – 0831 – 007		1	PIN ASSEMBLY, 7P ピン アセンブリ	
J803	WS3 – 0422 – 000		1	PIN ASSEMBLY, 5P, W ピン アセンブリ	
J804	WS3 – 0424 – 000		1	PIN ASSEMBLY, 7P, W ピン アセンブリ	
J805	VS1 – 0025 – 003		1	PIN ASSEMBLY, 3P ピン アセンブリ	
J806	WS3 – 0421 – 000		1	PIN ASSEMBLY, 4P ピン アセンブリ	
Q813	WA2 – 0991 – 000		1	TRANSISTOR, 2SD1521 トランジスタ	
Q814	WA2 – 0991 – 000		1	TRANSISTOR, 2SD1521 トランジスタ	
Q815	WA2 – 0991 – 000		1	TRANSISTOR, 2SD1521 トランジスタ	
Q816	WA2 – 0991 – 000		1	TRANSISTOR, 2SD1521 トランジスタ	
Q817	WA2 – 0991 – 000		1	TRANSISTOR, 2SD1521 トランジスタ	
Q820	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q821	WA2 – 0285 – 000		1	TRANSISTOR, 2SD667AC トランジスタ	
Q824	WA2 – 0836 – 000		1	TRANSISTOR, 2SB1067 トランジスタ	
Q825	WA2 – 0285 – 000		1	TRANSISTOR, 2SD667AC トランジスタ	
Q826	WA2 – 0775 – 000		1	TRANSISTOR, RN2202 トランジスタ	
Q827	WA2 – 0775 – 000		1	TRANSISTOR, RN2202 トランジスタ	
Q828	WA2 – 0775 – 000		1	TRANSISTOR, RN2202 トランジスタ	
Q829	WA2 – 0775 – 000		1	TRANSISTOR, RN2202 トランジスタ	
Q830	WA2 – 0775 – 000		1	TRANSISTOR, RN2202 トランジスタ	

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z90 – Q831	WA2 – 0237 – 000		1	TRANSISTOR, 2SC2655Y トランジスタ	
R819	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R820	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R823	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R824	VR1 – 1141 – 472		1	RESISTOR, 4.7KOHM, 1/4W テイコウ	
R826	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R827	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R828	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R829	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R830	VR1 – 1141 – 103		1	RESISTOR, 10KOHM, 1/4W テイコウ	
R833	VR1 – 1141 – 102		1	RESISTOR, 1KOHM, 1/4W テイコウ	
R834	VR5 – 0820 – 101		1	RESISTOR, 100 OHM, 2W テイコウ	
ZD802	WA1 – 1037 – 000		1	DIODE, ZENER HZS15NB3 ツエナー ダイオード	
ZD803	WA1 – 1037 – 000		1	DIODE, ZENER HZS15NB3 ツエナー ダイオード	
ZD804	WA1 – 1037 – 000		1	DIODE, ZENER HZS15NB3 ツエナー ダイオード	
ZD805	WA1 – 1037 – 000		1	DIODE, ZENER HZS15NB3 ツエナー ダイオード	
ZD806	WA1 – 1070 – 000		1	DIODE, ZENER, HZS13NB2 ツエナー ダイオード	

FIGURE ZB LIST OF CONNECTORS
コネクター一覧

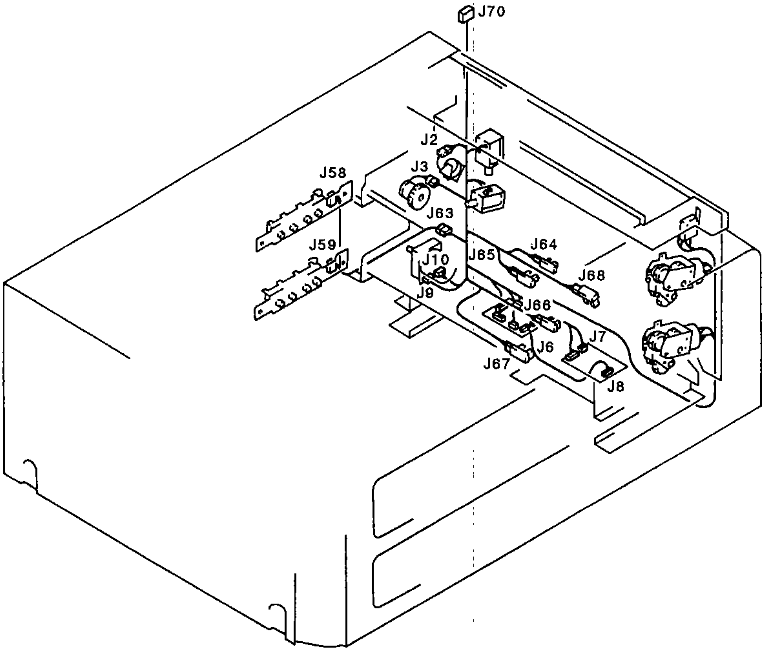

J70
J2
J3
J58
J63
J64
J59
J65
J10
J68
J9
J66
J7
J6
J67
J8

FIGURE & KEY NO.	PART NUMBER	RANK	Q'TY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z B –	NPN		RF	LIST OF CONNECTORS コネクタ イチラン	
J 2	NPN			NO.4 REGIST. ROLLER SOLENOID ダイ4 レジストローラ クラッチ ソレノイド	SL802
	VS1 – 0192 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
J 3	NPN			PAPER PICK – UP CLUTCH 2 キュウシ クラッチ 2	CL801
	VS4 – 0003 – 002		1	CONNECTOR, 2P, FEMALE コネクタ (メス)	
	WS3 – 0885 – 000		2	PIN CONTACT, 20 – 30AWG ピン コンタクト	
J 6	PCB			MOTOR DRIVER モータ ドライバ	
	VS1 – 0440 – 009		1	CONNECTOR, 9P, FEMALE コネクタ (メス)	
J 7	PCB			MOTOR DRIVER モータ ドライバ	
	VS1 – 0440 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 8	PCB			MOTOR DRIVER モータ ドライバ	
	VS1 – 0440 – 004		1	CONNECTOR, 4P, FEMALE コネクタ (メス)	
J 9	NPN			PAPER PICK – UP MOTOR キュウシ モータ	M803
	VS1 – 0440 – 009		1	CONNECTOR, 9P, FEMALE コネクタ (メス)	
J 10	NPN			PAPER PICK – UP MOTOR キュウシ モータ	M803
	VS1 – 0440 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 58	NPN			CASSETTE 3 SIZE SWITCH カセット 3 サイズ ケンチ スイッチ	
	VS1 – 0192 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J 59	NPN			CASSETTE 4 SIZE SWITCH カセット 4 サイズ ケンチ スイッチ	
	VS1 – 0867 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
J 63	VS1 – 0192 – 006		1	CONNECTOR, 6P, FEMALE コネクタ (メス)	
	VS4 – 0003 – 006		1	CONNECTOR, 6P, MALE コネクタ (オス)	
	WS3 – 0885 – 000		6	PIN CONTACT, 20 – 30AWG ピン コンタクト	
J 64	NPN			CASSETTE 3 PAPER SENSOR カセット 3 カミ センサ	Q850
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 65	NPN			CASSETTE 3 LIFTER POSIT.SENSOR カセット 3 リフタ イチ センサ	Q851
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 66	NPN			CASSETTE 4 PAPER SENSOR カセット 4 カミ センサ	Q852
	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 67	NPN			CASSETTE 4 LIFTER POSIT.SENSOR カセット 4 リフタ イチ センサ	Q853

FIGURE & KEY NO.	PART NUMBER	RANK	QTY	DESCRIPTION	SERIAL NUMBER / REMARKS
Z B – J 67	VS1 – 0842 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 68	NPN			PRE NO.4 REGIST. PAPER SENSOR ダイ4 レジスト マエ センサ	Q854
	VS1 – 0192 – 003		1	CONNECTOR, 3P, FEMALE コネクタ (メス)	
J 70	– – – – – – – – – –			COPIER フクシャキ ホンタイ	
	FH2 – 5822 – 000		22	SOCKET CONTACT, 22 – 26AWG ソケット コンタクト	
	FH2 – 5826 – 000		3	SOCKET CONTACT, 16 – 20AWG ソケット コンタクト	
	FH2 – 5828 – 000		1	HOUSING, CONNECTOR コネクタ ハウジング	
J801	PCB			CONTROLLER コントローラ	
	VS1 – 0441 – 028		1	CONNECTOR, 28P コネクタ	
J802	PCB			CONTROLLER コントローラ	
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FB1 − 6163 − 000	980 − 4
FB1 − 6165 − 000	914 − 3
FB1 − 6166 − 000	914 − 4
FB1 − 6167 − 000	103 − 30
FB1 − 6170 − 000	103 − 31
FB1 − 6171 − 000	103 − 32
FB1 − 6172 − 000	105 − 33
FB1 − 6173 − 000	101 − 16B
	103 − 49
FB1 − 6174 − 000	101 − 23
FB1 − 6176 − 000	101 − 24
FB1 − 6177 − 000	210 − 43
FB1 − 6180 − 000	103 − 13
FB1 − 6181 − 000	103 − 14
FB1 − 6186 − 000	401 − 13
FB1 − 6187 − 000	401 − 5
FB1 − 6381 − 000	210 − 1
FB1 − 6382 − 000	210 − 2
FB1 − 6383 − 000	192 − 1
FB1 − 6385 − 000	160 − 1
FB1 − 6386 − 000	160 − 2
FB1 − 6387 − 000	100 − 26
FB1 − 6389 − 000	400 − 8
FB1 − 6390 − 000	400 − 8
FB1 − 6391 − 000	102 − 7
FB1 − 6392 − 000	620 − 23
FB1 − 6393 − 000	620 − 24
FB1 − 6394 − 000	620 − 1B
FB1 − 6397 − 000	300 − 5
FB1 − 6398 − 000	300 − 8
FB1 − 6399 − 000	105 − 2
FB1 − 6400 − 000	105 − 9
FB1 − 6401 − 000	620 − 36
FB1 − 6403 − 000	101 − 22
FB1 − 6404 − 000	260 − 3
FB1 − 6405 − 000	400 − 12
FB1 − 6406 − 000	101 − 7
FB1 − 6407 − 000	620 − 1C
FB1 − 6408 − 000	620 − 1D
FB1 − 6409 − 000	620 − 1E
FB1 − 6411 − 000	620 − 5D
FB1 − 6412 − 000	620 − 5E
FB1 − 6413 − 000	620 − 5F
FB1 − 6414 − 000	620 − 37
FB1 − 6415 − 000	260 − 4
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FB1 − 6450 − 000	331 − 17
FB1 − 9302 − 000	130 − 15
FB1 − 9303 − 000	130 − 16
FB1 − 9304 − 000	130 − 17
FB1 − 9305 − 000	130 − 18
FB1 − 9306 − 000	130 − 19
FB1 − 9307 − 000	130 − 20
FB1 − 9308 − 000	130 − 21
FB1 − 9309 − 000	130 − 22
FB1 − 9310 − 000	130 − 23
FB1 − 9311 − 000	130 − 24
FB1 − 9312 − 000	130 − 25

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FB1 − 9313 − 000	130 − 26
FB1 − 9315 − 000	130 − 27
FB1 − 9316 − 000	130 − 28
FB1 − 9317 − 000	130 − 29
FB1 − 9318 − 000	130 − 30
FB1 − 9319 − 000	130 − 30
FB1 − 9320 − 000	130 − 30
FC1 − 2235 − 000	400 − 26
FC1 − 5125 − 000	100 − 30
FC1 − 5127 − 000	100 − 30
FC1 − 6548 − 000	002 − 1
FE9 − 0148 − 000	914 − 5
FF1 − 3654 − 000	980 − J 4
FF1 − 5876 − 000	581 − 2
FF1 − 5896 − 000	620 − 4
FF1 − 5924 − 000	160 − 5
FF1 − 9445 − 020	970 − 1
FF2 − 0001 − 000	980 − W 1
FF2 − 0073 − 000	210 − 47
FF2 − 0077 − 000	210 − 10
FF2 − 0078 − 000	210 − 11
FF2 − 0079 − 000	210 − 12
FF2 − 0082 − 050	311 − 29
FF2 − 0084 − 000	313 − 44
FF2 − 0085 − 000	311 − 20
FF2 − 0086 − 000	311 − 12
FF2 − 0087 − 000	312 − 5
FF2 − 0088 − 000	313 − 61
FF2 − 0089 − 000	313 − 77
FF2 − 0090 − 000	314 − 3
FF2 − 0091 − 000	314 − 35
FF2 − 0093 − 000	311 − 11
FF2 − 0094 − 030	325 − 1
FF2 − 0095 − 040	325 − 2
FF2 − 0108 − 000	350 − 3
FF2 − 0110 − 000	333 − 2
FF2 − 0116 − 000	500 − 4
FF2 − 0124 − 020	102 − 38
FF2 − 0125 − 030	570 − 1
FF2 − 0134 − 000	280 − 1
FF2 − 0144 − 000	250 − 2
FF2 − 0147 − 020	300 − 1
FF2 − 0148 − 020	300 − 1
FF2 − 0149 − 020	300 − 2
FF2 − 0158 − 000	263 − 2
FF2 − 0163 − 000	830 − 3
FF2 − 0166 − 050	300 − 3
FF2 − 0167 − 020	312 − 1
FF2 − 0169 − 020	581 − 1
FF2 − 0172 − 000	210 − 9
FF2 − 0175 − 020	810 − 47
FF2 − 0179 − 000	250 − 1
FF2 − 0198 − 000	102 − 18
FF2 − 0204 − 000	102 − 19
FF2 − 0207 − 050	103 − 29
FF2 − 0214 − 000	310 − 9
FF2 − 0219 − 000	210 − 13
FF2 − 0430 − 000	310 − 28
FF2 − 0607 − 000	400 − 2
FF2 − 1455 − 000	981 − 3
	981 − J 1
FF2 − 2495 − 000	500 − 5
FF2 − 4535 − 000	330 − 26
FF2 − 4536 − 000	102 − 27
FF2 − 4537 − 000	810 − 33
FF2 − 4554 − 000	210 − 41
FF2 − 4556 − 000	325 − 13
FF2 − 4558 − 000	105 − 38
FF2 − 5884 − 000	105 − 40
FF2 − 5890 − 000	313 − 91
FF2 − 5892 − 000	103 − 47
FF2 − 5895 − 000	101 − 18
FF2 − 5896 − 000	105 − 23
FF2 − 5970 − 100	930 − 2
FF2 − 5971 − 100	930 − 2
FF2 − 5972 − 100	930 − 2
FF2 − 5973 − 100	930 − 2
FF2 − 6369 − 000	102 − 35
FF2 − 6370 − 000	105 − 24
FF2 − 6371 − 000	110 − 2
	111 − 2
	112 − 2
FF2 − 6645 − 000	400 − 28
FF2 − 6940 − 000	120 − 9
FF2 − 6941 − 000	325 − 13

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FF2 – 6942 – 000	325 – 12	FG2 – 0355 – 000	978 –	FH3 – 7119 – 020	105 – 39
FF2 – 6943 – 000	330 – 3	FG5 – 1194 – 000	550 –	FH3 – 7120 – 020	105 – 39
FF2 – 7094 – 000	101 – 21	FG5 – 1200 – 000	620 –	FH3 – 8017 – 000	980 – T 6
FF2 – 7095 – 000	101 – 21	FG5 – 1202 – 000	640 –	FH4 – 1163 – 000	930 – Q221
FF2 – 7096 – 000	350 – 33	FG5 – 1203 – 030	330 –	FH4 – 5347 – 000	930 – Q185
FF5 – 0889 – 000	100 – 12	FG5 – 1204 – 060	580 –		930 – Q193
FF5 – 0890 – 000	100 – 12	FG5 – 1205 – 000	333 –	FH4 – 5354 – 000	930 – Q212
FF5 – 0891 – 000	100 – 12	FG5 – 1206 – 000	280 –	FH4 – 5410 – 000	980 – Q 2
FF5 – 0892 – 000	100 – 12	FG5 – 1207 – 000	250 –	FH4 – 9055 – 000	980 – R122
FF5 – 0909 – 000	550 – 14	FG5 – 1210 – 110	310 –	FH4 – 9056 – 000	980 – R121
FF5 – 0920 – 000	620 – 1		311 –	FH4 – 9058 – 000	930 – CA101
FF5 – 0921 – 000	620 – 2		312 –	FH4 – 9072 – 000	980 – R 91
FF5 – 0922 – 000	101 – 15		313 –	FH4 – 9152 – 000	930 – RA101
FF5 – 0924 – 000	640 – 1		314 –		930 – RA102
FF5 – 0925 – 000	640 – 2	FG5 – 1211 – 000	810 –		930 – RA103
FF5 – 0926 – 000	640 – 3	FG5 – 1212 – 000	810 –		930 – RA104
FF5 – 0927 – 000	640 – 4	FG5 – 1213 – 000	810 –		930 – RA105
FF5 – 0928 – 000	640 – 22	FG5 – 1219 – 000	350 –		930 – RA106
FF5 – 0929 – 000	640 – 5	FG5 – 1221 – 040	332 –		930 – RA107
FF5 – 0930 – 000	640 – 6	FG5 – 1222 – 000	331 –		930 – RA111
FF5 – 0931 – 000	330 – 5	FG5 – 1224 – 000	101 – 17		930 – RA112
FF5 – 0936 – 030	580 – 1	FG5 – 1235 – 000	251 –		930 – RA113
FF5 – 0938 – 020	580 – 2	FG5 – 1236 – 000	260 –		930 – RA115
FF5 – 0939 – 000	580 – 3	FG5 – 1238 – 000	282 –		930 – RA116
FF5 – 0940 – 000	580 – 19	FG5 – 1239 – 000	101 – 16	FH6 – 0412 – 000	130 – 1
FF5 – 0944 – 000	280 – 2	FG5 – 1242 – 080	930 –	FH6 – 0413 – 000	130 – 1
FF5 – 0945 – 000	280 – 14	FG5 – 1243 – 080	930 –	FH6 – 0414 – 000	130 – 1
FF5 – 0947 – 000	810 – 9	FG5 – 1246 – 080	930 –	FH6 – 0415 – 000	130 – 1
FF5 – 0949 – 000	264 – 1	FG5 – 1247 – 080	930 –	FH6 – 3150 – 000	972 – LED751
FF5 – 0951 – 000	311 – 30	FG5 – 1248 – 000	130 –		973 – LED751
FF5 – 0952 – 000	310 – 35	FG5 – 1249 – 000	130 –	FH6 – 3196 – 000	930 – X104
FF5 – 0955 – 000	810 – 1	FG5 – 1250 – 000	130 –	FH6 – 3199 – 000	105 – 14
FF5 – 0956 – 000	810 – 2	FG5 – 1251 – 000	130 –	FH6 – 3247 – 000	130 – 4
FF5 – 0962 – 000	350 – 1	FG5 – 1254 – 030	972 –	FH7 – 1584 – 000	313 – 75
FF5 – 0963 – 000	282 – 4	FG5 – 1255 – 030	973 –	FH7 – 1727 – 000	102 – 29
FF5 – 0964 – 000	350 – 23	FG5 – 1263 – 050	980 –	FH7 – 1759 – 000	250 – 4
FF5 – 0965 – 000	332 – 1	FG5 – 1265 – 000	911 –	FH7 – 1760 – 000	102 – 34
FF5 – 0966 – 000	332 – 2	FG5 – 1266 – 000	914 –	FH7 – 1762 – 000	620 – 38
FF5 – 0967 – 000	331 – 2	FG5 – 1267 – 000	914 –	FH7 – 1763 – 000	330 – 27
FF5 – 0969 – 000	331 – 1	FG5 – 1273 – 000	830 –	FH7 – 1764 – 000	330 – 28
FF5 – 0972 – 000	100 – 3	FG5 – 1274 – 000	263 –	FH7 – 1773 – 000	264 – 3
FF5 – 0976 – 030	102 – 28	FG5 – 1341 – 000	325 –	FH7 – 1774 – 000	314 – 28
FF5 – 0980 – 000	251 – 2	FG5 – 1343 – 000	101 – 17	FH7 – 1775 – 000	105 – 35
FF5 – 0981 – 000	251 – 1	FG5 – 1344 – 040	981 –	FH7 – 1776 – 000	350 – 36
FF5 – 0984 – 000	401 – 1	FG5 – 1348 – 000	160 –	FH7 – 1777 – 000	105 – 18
FF5 – 0985 – 000	830 – 1	FG5 – 1350 – 000	120 –	FH7 – 1844 – 000	191 – 2
FF5 – 0986 – 000	263 – 1	FG5 – 1351 – 000	325 –	FH7 – 1868 – 000	192 – 4
FF5 – 0990 – 000	640 – 23	FG5 – 1352 – 000	325 –	FH7 – 3229 – 000	103 – 27
FF5 – 1003 – 000	282 – 5	FG5 – 1353 – 000	910 –	FH7 – 3232 – 000	102 – 11
FF5 – 1004 – 000	282 – 6	FG5 – 1354 – 000	910 –	FH7 – 3246 – 000	400 – 18
FF5 – 1005 – 000	105 – 5	FG9 – 2764 – 000	103 – 43	FH7 – 3247 – 000	400 – 18
FF5 – 1006 – 000	102 – 12	FG9 – 2765 – 000	103 – 44	FH7 – 4255 – 000	810 – 35
FF5 – 1009 – 000	104 – 17	FH2 – 5006 – 000	100 – 10	FH7 – 4256 – 000	810 – 35
FF5 – 1010 – 000	104 – 18	FH2 – 5043 – 000	112 – 22	FH7 – 4297 – 000	810 – 35
FF5 – 1012 – 000	620 – 3	FH2 – 5704 – 000	110 – 3	FH7 – 4300 – 000	102 – 47
FF5 – 1014 – 000	102 – 13	FH2 – 5732 – 000	112 – 3	FH7 – 5030 – 030	313 – 1
FF5 – 1017 – 000	102 – 14	FH2 – 5733 – 000	112 – 3		314 – 29
FF5 – 1018 – 000	102 – 15	FH2 – 5734 – 000	112 – 3	FH7 – 5154 – 000	314 – 7
FF5 – 1019 – 000	102 – 16	FH2 – 5737 – 000	980 – JW 2	FH7 – 5155 – 000	310 – 7
FF5 – 1025 – 000	102 – 17	FH2 – 5740 – 000	111 – 3	FH7 – 5156 – 000	314 – 20
FF5 – 1026 – 000	620 – 5	FH2 – 5820 – 000	B – J 67	FH7 – 5240 – 000	281 – 5
FF5 – 1027 – 000	930 – 1	FH2 – 5824 – 000	100 – 29	FH7 – 5252 – 000	103 – 28
FF5 – 1028 – 000	105 – 34		105 – 10	FH7 – 5342 – 000	310 – 36
FF5 – 1029 – 000	910 – 1	FH2 – 5825 – 000	B – J 67	FH7 – 6113 – 000	104 – 29
FF5 – 1030 – 000	105 – 8	FH2 – 5829 – 000	B – J 67	FH7 – 6152 – 000	101 – 17D
FF5 – 1035 – 000	100 – 13	FH2 – 5831 – 000	105 – 41	FH7 – 6162 – 000	101 – 18
FF5 – 1037 – 020	100 – 13	FH2 – 5843 – 000	400 – 17	FH7 – 7062 – 000	105 – 16
FF5 – 1038 – 000	400 – 5	FH2 – 5896 – 000	980 – JW 1	FH7 – 7081 – 000	310 – 29
FF9 – 0861 – 000	350 – 4	FH2 – 9091 – 000	105 – 15	FH7 – 7155 – 000	310 – 8
FF9 – 0974 – 000	332 – 11	FH2 – 9092 – 000	330 – 15		312 – 6
FF9 – 0975 – 000	210 – 14	FH3 – 0515 – 000	981 – T 1		313 – 28
FF9 – 0982 – 000	350 – 49	FH3 – 0532 – 000	980 – T 3		325 – 6
FF9 – 0983 – 000	104 – 19	FH3 – 0575 – 000	980 – T 1		332 – 12
FF9 – 0998 – 000	210 – 15	FH3 – 0576 – 000	980 – T 5	FH7 – 7156 – 000	810 – 36
FF9 – 1003 – 000	313 – 85	FH3 – 0578 – 000	914 – T 1	FH7 – 7196 – 020	325 – 7
FF9 – 1058 – 000	210 – 42	FH3 – 0579 – 000	914 – T 1	FH7 – 7221 – 000	210 – 27
FF9 – 1082 – 000	210 – 53	FH3 – 0591 – 030	981 – 4	FH7 – 7222 – 000	350 – 37
FF9 – 1091 – 020	104 – 28		981 – T 2	FH7 – 7224 – 000	325 – 7
FF9 – 1092 – 000	310 – 6	FH3 – 0608 – 000	914 – L 2	FH7 – 7225 – 000	972 – PD751
FF9 – 1093 – 050	313 – 43	FH3 – 0611 – 000	980 – T 4		973 – PD751
FF9 – 1094 – 060	313 – 42	FH3 – 0619 – 000	910 – T801	FH7 – 7242 – 000	640 – 24
FF9 – 1113 – 000	313 – 86	FH3 – 0620 – 000	910 – T801	FH7 – 7267 – 000	810 – 37
FF9 – 1119 – 000	210 – 25	FH3 – 0621 – 000	910 – L803	FH7 – 7283 – 000	620 – 25
FG1 – 8040 – 040	570 –	FH3 – 2222 – 000	101 – 20	FH7 – 8556 – 000	914 – 1
FG1 – 8099 – 000	970 –	FH3 – 5207 – 000	980 – T 2	FH7 – 9207 – 000	112 – 4

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FH7 – 9217 – 000	110 – 4
	111 – 4
FN1 – 0235 – 000	970 – 2
FN1 – 4217 – 000	400 – 20
FN1 – 4219 – 000	210 – 28
FN1 – 4220 – 000	210 – 30
FN1 – 4221 – 000	210 – 31
FN1 – 4222 – 000	210 – 62
FN1 – 4223 – 020	210 – 63
FN1 – 4308 – 000	401 – 8
FS1 – 0219 – 000	810 – 38
FS1 – 0422 – 000	310 – 14
FS1 – 0542 – 000	331 – 8
FS1 – 0545 – 000	250 – 10
	263 – 5
FS1 – 0615 – 000	280 – 8
	810 – 39
FS1 – 0679 – 000	314 – 4
FS1 – 0708 – 000	620 – 26
FS1 – 1190 – 000	313 – 50
FS1 – 1202 – 000	103 – 17
	280 – 7
	330 – 16
FS1 – 1205 – 000	620 – 27
FS1 – 1206 – 000	310 – 43
	313 – 94
FS1 – 1237 – 000	350 – 38
FS1 – 1257 – 000	314 – 17
FS1 – 1376 – 000	251 – 9
FS1 – 1401 – 000	830 – 14
FS1 – 1446 – 000	314 – 21
FS1 – 1447 – 000	500 – 7
FS1 – 1449 – 000	263 – 6
	282 – 7
	314 – 10
	830 – 15
FS1 – 1457 – 000	830 – 16
FS1 – 1462 – 000	102 – 10
	282 – 11
	310 – 11
	312 – 14
	314 – 9
	330 – 17
	331 – 9
	350 – 39
FS1 – 1465 – 000	310 – 23
FS1 – 2707 – 000	313 – 73
FS1 – 2708 – 000	314 – 5
FS1 – 2709 – 000	105 – 25
FS1 – 2833 – 000	350 – 40
FS1 – 2834 – 000	350 – 41
FS1 – 2951 – 000	120 – 4
FS1 – 6183 – 020	581 – 1B
FS1 – 9002 – 000	210 – 32
	250 – 5
	263 – 7
FS1 – 9003 – 000	100 – 31
FS1 – 9004 – 000	105 – 26
	120 – 5
	331 – 10
FS1 – 9007 – 000	210 – 35
FS1 – 9051 – 000	120 – 6
FS1 – 9073 – 000	310 – 42
FS1 – 9076 – 000	310 – 26
	311 – 10
	331 – 11
FS1 – 9102 – 000	103 – 18
FS1 – 9168 – 000	210 – 36
FS1 – 9255 – 000	103 – 51
FS2 – 0177 – 000	250 – 6
FS2 – 0392 – 000	350 – 42
FS2 – 0439 – 000	332 – 13
FS2 – 0441 – 000	260 – 5
FS2 – 0445 – 000	282 – 8
FS2 – 0448 – 000	103 – 19
	312 – 19
FS2 – 0578 – 000	105 – 36
FS2 – 1001 – 000	103 – 20
FS2 – 1002 – 000	103 – 21
FS2 – 1003 – 000	312 – 16
FS2 – 1004 – 020	312 – 16
FS2 – 1005 – 000	313 – 24
FS2 – 1006 – 000	313 – 19
FS2 – 1007 – 000	313 – 47
FS2 – 1008 – 000	313 – 67

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FS2 – 1009 – 000	314 – 27
FS2 – 1010 – 000	332 – 14
FS2 – 1014 – 000	640 – 25
FS2 – 1015 – 000	103 – 22
FS2 – 1357 – 000	102 – 13C
FS2 – 2304 – 000	102 – 40
FS2 – 2310 – 000	350 – 46
FS2 – 2315 – 000	250 – 7
FS2 – 2325 – 000	830 – 17
FS2 – 2330 – 000	280 – 9
FS2 – 2345 – 000	830 – 18
FS2 – 2351 – 000	105 – 27
FS2 – 3003 – 000	313 – 26
FS2 – 3004 – 000	313 – 33
FS2 – 3011 – 000	250 – 8
FS2 – 3012 – 000	260 – 8
	263 – 8
FS2 – 6001 – 000	313 – 32
FS2 – 6002 – 000	325 – 8
FS2 – 6003 – 000	313 – 36
FS2 – 6005 – 000	260 – 9
FS2 – 6007 – 000	310 – 41
FS2 – 6016 – 000	210 – 39
FS2 – 6018 – 000	640 – 26
FS2 – 6019 – 000	640 – 27
FS2 – 6022 – 000	103 – 23
FS2 – 8062 – 000	500 – 8
FS2 – 8614 – 000	101 – 25
	251 – 22
	330 – 19
FS2 – 9002 – 000	104 – 30
FS3 – 0022 – 000	251 – 11
FS3 – 0023 – 000	313 – 56
FS3 – 0024 – 000	314 – 13
FS3 – 0025 – 000	314 – 12
FS3 – 0026 – 000	260 – 10
	312 – 15
	314 – 1
	810 – 40
FS3 – 0028 – 000	314 – 19
FS3 – 0029 – 000	313 – 18
FS3 – 0030 – 000	314 – 36
FS3 – 0031 – 000	314 – 25
FS3 – 0032 – 000	314 – 34
FS3 – 0039 – 000	260 – 11
FS3 – 0040 – 000	350 – 43
FS3 – 0041 – 000	640 – 28
FS3 – 0042 – 000	640 – 29
FS3 – 0043 – 000	640 – 30
FS3 – 0046 – 000	333 – 6
FS3 – 0048 – 000	350 – 44
FS3 – 0054 – 020	280 – 10
FS3 – 0062 – 000	251 – 12
FS3 – 0063 – 000	251 – 13
FS3 – 0064 – 000	251 – 14
FS3 – 0066 – 000	251 – 16
FS3 – 0068 – 000	251 – 18
FS3 – 0069 – 000	251 – 19
FS3 – 0070 – 000	251 – 20
FS3 – 0074 – 000	103 – 24
	280 – 11
	282 – 9
FS3 – 0076 – 000	310 – 24
FS3 – 0077 – 000	310 – 13
FS3 – 0081 – 000	830 – 19
FS3 – 0082 – 000	830 – 20
FS3 – 0083 – 000	830 – 4
FS3 – 0098 – 000	263 – 9
FS3 – 0101 – 000	313 – 46
	314 – 24
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	330 – 29
FS3 – 2008 – 000	313 – 54
FS3 – 2009 – 000	311 – 16
FS3 – 2010 – 000	314 – 15
FS3 – 2011 – 000	313 – 13
FS3 – 2012 – 000	313 – 63
FS3 – 2013 – 000	314 – 33
FS3 – 2014 – 000	311 – 22
FS3 – 2015 – 000	311 – 13
FS3 – 2016 – 000	325 – 9
FS3 – 2017 – 000	325 – 10
FS3 – 2018 – 000	103 – 25
FS3 – 2022 – 000	120 – 7
FS3 – 2024 – 000	251 – 8

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FS3 – 2029 – 000	330 – 1
FS3 – 2030 – 000	103 – 38
FS3 – 2031 – 000	310 – 25
FS3 – 2036 – 000	103 – 26
FS3 – 2037 – 000	103 – 43A
FS3 – 2044 – 000	104 – 31
FS3 – 2046 – 000	263 – 10
FS3 – 2051 – 000	300 – 11
FS3 – 2053 – 000	830 – 21
FS3 – 2062 – 000	350 – 48
FS3 – 2063 – 000	312 – 17
FS3 – 2068 – 000	810 – 41
FS3 – 2071 – 000	102 – 13B
FS3 – 2073 – 000	103 – 44A
FS3 – 2075 – 000	103 – 33
FS3 – 8377 – 000	105 – 11
	980 – 5
	981 – 2
FS4 – 8059 – 000	300 – 3A
FS5 – 0280 – 000	640 – 31
FS5 – 0281 – 000	640 – 32
FS5 – 0282 – 000	640 – 33
FS5 – 0283 – 000	640 – 34
FS5 – 0284 – 000	640 – 35
FS5 – 0287 – 000	310 – 37
FS5 – 0289 – 000	251 – 15
FS5 – 0297 – 000	640 – 36
FS5 – 0299 – 000	102 – 13D
FS5 – 0300 – 000	620 – 28
FS5 – 0302 – 000	101 – 5
FS5 – 0304 – 000	810 – 42
FS5 – 1005 – 000	830 – 22
FS5 – 1184 – 000	640 – 37
FS5 – 2252 – 000	620 – 29
FS5 – 2253 – 000	620 – 30
FS5 – 2254 – 000	620 – 31
FS5 – 2260 – 000	103 – 34
FS5 – 2261 – 000	101 – 17E
FS5 – 2262 – 000	280 – 12
FS5 – 2263 – 000	280 – 13
FS5 – 2264 – 000	282 – 10
FS5 – 2268 – 000	350 – 45
FS5 – 3155 – 000	310 – 38
FS5 – 3157 – 000	251 – 10
FS5 – 6150 – 000	310 – 40
FS5 – 6151 – 000	332 – 3
	810 – 43
FS5 – 8456 – 000	100 – 8
FS5 – 8457 – 000	100 – 8
FS5 – 8458 – 000	100 – 8
FS5 – 8459 – 000	100 – 8
FS5 – 8466 – 000	100 – 23
FS5 – 8473 – 000	300 – 13
FS5 – 8474 – 000	300 – 13
FS8 – 8186 – 000	100 – 12B
FS8 – 8187 – 000	100 – 12B
FS8 – 8188 – 000	100 – 12B
FS8 – 8189 – 000	100 – 12B
FS8 – 8190 – 000	100 – 28
FS8 – 8194 – 000	101 – 25
	251 – 22
	330 – 19
FS8 – 8666 – 000	300 – 12
FS8 – 8667 – 000	100 – 33
FS8 – 8668 – 000	100 – 22
FS8 – 8669 – 000	620 – 32
FS8 – 8670 – 000	101 – 16C
FY3 – 0030 – 000	550 – 11
	570 – 5
	580 – 17
FY3 – 0040 – 000	550 – 11
	570 – 5
	580 – 17
PCB	B – J 65
	B – J 79
	B – J 80
	B – J102
	B – J103
	B – J104
	B – J105
	B – J106
	B – J108
	B – J109
	B – J110
	B – J111

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PCB	B – J112	VC5 – 1040 – 103	981 – C 17	VC7 – 3920 – 827	910 – C805
	B – J113		981 – C 18	VC7 – 3930 – 227	910 – C804
	B – J114		981 – C 20		910 – C805
	B – J117	VC5 – 1040 – 104	981 – C 1	VC7 – 3960 – 567	910 – C822
	B – J118		981 – C 3		910 – C823
	B – J119		981 – C 8		910 – C827
	B – J401		981 – C 9		910 – C828
	B – J402		981 – C 11		910 – C836
	B – J403		981 – C 15		910 – C845
	B – J451		981 – C 16	VC7 – 3980 – 186	910 – C816
	B – J452		981 – C 21	VC7 – 4230 – 477	930 – C172
	B – J453		981 – C 22	VC7 – 4900 – 105	981 – C 12
	B – J454	VC5 – 1890 – 104	970 – C601		981 – C 14
	B – J651		970 – C602	VC7 – 5130 – 103	910 – C803
	B – J653	VC5 – 1940 – 220	930 – C141		910 – C808
	B – J656		930 – C142	VC7 – 5130 – 104	910 – C807
	B – J751A	VC5 – 1940 – 330	972 – C751		910 – C812
	B – J751B		973 – C751		910 – C813
	B – J752B	VC5 – 2810 – 153	980 – C 19		910 – C834
	B – J752C	VC5 – 4100 – 101	981 – C 19		910 – C835
	B – J801	VC5 – 4400 – 475	914 – C 9		910 – C839
	B – J802		914 – C 11		910 – C840
	B – J804	VC5 – 4530 – 104	980 – C 12		910 – C842
	B – J805	VC5 – 5980 – 102	981 – C 5		910 – C843
	B – J806	VC5 – 7010 – 104	980 – C 51		910 – C844
	B – J807		980 – C 52		910 – C846
	B – J808	VC5 – 7560 – 475	910 – C810		910 – C847
	B – J811	VC5 – 8110 – 471	910 – C817		910 – C852
	B – J812		910 – C818		910 – C853
	B – J813	VC6 – 0150 – 101	914 – C 7	VC7 – 5130 – 474	910 – C855
	B – J814		914 – C 8	VC9 – 0947 – 000	980 – C 2
RH7 – 8035 – 000	914 – 2	VC6 – 0150 – 220	910 – C814		980 – C 3
RY1 – 1502 – 000	580 – 18		910 – C815		980 – C 7
VC1 – 2101 – 106	930 – C177	VC6 – 0150 – 221	914 – C 8		980 – C 13
	930 – C178	VC6 – 0150 – 470	910 – C814		980 – C 18
VC1 – 2101 – 226	930 – C113		910 – C815		980 – C 23
	930 – C117	VC6 – 0160 – 222	914 – C 6		980 – C 28
VC1 – 2101 – 337	930 – C108	VC6 – 0160 – 332	980 – C 29		980 – C 37
	930 – C175	VC6 – 0160 – 471	910 – C819		980 – C 38
VC1 – 2161 – 107	930 – C110		910 – C824		980 – C 39
VC1 – 2351 – 107	930 – C104	VC6 – 1130 – 104	914 – C 10		980 – C 41
VC1 – 2501 – 107	930 – C106	VC6 – 1140 – 105	972 – C752		980 – C 42
	930 – C112		973 – C752		980 – C 43
VC1 – 2501 – 335	970 – C603	VC6 – 1150 – 103	980 – C 6		980 – C 44
VC1 – 2501 – 474	930 – C129		980 – C 62		980 – C 45
VC3 – 2501 – 103	914 – C 4	VC6 – 1150 – 473	980 – C 61		980 – C 57
	914 – C 13	VC6 – 1720 – 222	910 – C841		980 – C 58
	914 – C 14	VC6 – 2560 – 102	910 – C801	VC9 – 1381 – 000	980 – C 17
VC4 – 2502 – 100	930 – C164		914 – C 1	VC9 – 1413 – 000	980 – C 8
	930 – C165	VC6 – 2560 – 222	910 – C802	VC9 – 1511 – 000	980 – C 40
VC4 – 2502 – 150	930 – C160		914 – C 2		980 – C 46
	930 – C161	VC6 – 3310 – 107	981 – C 6	VC9 – 1600 – 000	981 – C 10
VC4 – 2502 – 330	930 – C130	VC6 – 3310 – 337	981 – C 7	VC9 – 5047 – 000	930 – C103
	930 – C131	VC6 – 3760 – 476	981 – C 13		930 – C105
	930 – C144	VC6 – 3810 – 223	910 – C806		930 – C109
	930 – C145	VC6 – 3820 – 473	910 – C806		930 – C111
VC4 – 2502 – 391	914 – C 12	VC6 – 4760 – 104	980 – C 60		930 – C116
VC4 – 3503 – 101	930 – C115	VC6 – 5910 – 476	930 – C136		930 – C118
	930 – C169	VC7 – 1410 – 103	910 – C811		930 – C119
	980 – C 56	VC7 – 1410 – 221	910 – C837		930 – C120
VC4 – 3503 – 102	930 – C101	VC7 – 1410 – 391	910 – C809		930 – C121
	930 – C102	VC7 – 1410 – 472	910 – C838		930 – C124
	930 – C107	VC7 – 1410 – 681	910 – C854		930 – C126
	930 – C114	VC7 – 2040 – 476	980 – C 1		930 – C127
	930 – C125		980 – C 9		930 – C133
	930 – C128		980 – C 25		930 – C134
	930 – C132	VC7 – 2090 – 102	910 – C820		930 – C135
	930 – C137		910 – C821		930 – C138
	930 – C146		910 – C825		930 – C139
	930 – C156		910 – C826		930 – C140
	930 – C158	VC7 – 2090 – 471	914 – C 16		930 – C143
	930 – C166		914 – C 17		930 – C148
	930 – C174		914 – C 18		930 – C149
	980 – C 4	VC7 – 2090 – 472	914 – C 6		930 – C150
	980 – C 11	VC7 – 2750 – 476	980 – C 16		930 – C151
VC4 – 3503 – 221	930 – C167		980 – C 21		930 – C152
VC4 – 4504 – 102	980 – C 47	VC7 – 3450 – 391	980 – C 55		930 – C153
	980 – C 48	VC7 – 3450 – 471	980 – C 36		930 – C154
	980 – C 54	VC7 – 3460 – 108	914 – C 19		930 – C155
VC4 – 4504 – 103	980 – C 53	VC7 – 3470 – 128	914 – C 5		930 – C157
VC4 – 4504 – 473	980 – C 15	VC7 – 3480 – 397	914 – C 5		930 – C159
	980 – C 34	VC7 – 3570 – 156	914 – C 15		930 – C162
	980 – C 35	VC7 – 3800 – 102	980 – C 33		930 – C163
VC5 – 1040 – 102	981 – C 4		980 – C 59		930 – C168
VC5 – 1040 – 103	981 – C 2	VC7 – 3920 – 827	910 – C804		930 – C170

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VC9 - 5047 - 000	930 - C171
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VC9 - 5076 - 000	980 - C 10
	980 - C 49
	980 - C 50
VD5 - 0062 - 501	911 - FU452
VD5 - 0063 - 151	911 - FU454
VD5 - 0066 - 301	911 - FU455
VD5 - 0068 - 001	911 - FU451
	911 - FU453
VD5 - 0242 - 501	910 - FU802
VD5 - 0243 - 151	914 - F 1
VD5 - 0245 - 001	910 - FU801
VD7 - 0212 - 501	910 - FU802
VD7 - 0215 - 001	914 - F 1
VL5 - 0390 - 036	914 - L 1
VL5 - 0390 - 086	910 - L802
	914 - L 1
VL5 - 0740 - 223	930 - L102
VL7 - 0220 - 104	910 - L805
VL7 - 0310 - 103	910 - L804
VR1 - 1141 - 102	980 - R 10
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	980 - R 18
	980 - R 37
	980 - R 38
VR1 - 1141 - 103	980 - R 23
	980 - R 30
	980 - R 42
	980 - R 49
	980 - R 50
	980 - R 60
	980 - R 66
	980 - R 98
	980 - R104
	980 - R107
	980 - R108
	980 - R117
	980 - R120
	980 - R124
	980 - R127
	980 - R130
	980 - R148
	980 - R149
VR1 - 1141 - 104	980 - R 20
	980 - R 99
	980 - R100
	980 - R101
	980 - R118
	980 - R128
VR1 - 1141 - 105	980 - R 90
	980 - R147
VR1 - 1141 - 113	980 - R126
VR1 - 1141 - 154	980 - R140
VR1 - 1141 - 180	980 - R 5
VR1 - 1141 - 185	980 - R113
	980 - R114
	980 - R115
VR1 - 1141 - 202	980 - R110
	980 - R150
	981 - R 44
VR1 - 1141 - 203	980 - R102
	980 - R103
	980 - R116
	980 - R125
	980 - R145
VR1 - 1141 - 221	980 - R 4
VR1 - 1141 - 225	980 - R 29
	980 - R 65
VR1 - 1141 - 229	980 - R 45
	980 - R 53
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	981 - R 58
	981 - R 59
VR1 - 1141 - 243	981 - R 43
VR1 - 1141 - 332	980 - R 41
	980 - R 52
VR1 - 1141 - 392	980 - R 2
	980 - R 3
VR1 - 1141 - 470	980 - R105
VR1 - 1141 - 471	980 - R 33
	980 - R 74
VR1 - 1141 - 472	980 - R 1
	980 - R 8
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	980 - R 16
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	980 - R 36
	980 - R 46
	980 - R 64
	980 - R106
VR1 - 1141 - 474	980 - R 22
	980 - R 44
	980 - R 51
VR1 - 1141 - 479	980 - R 31
VR1 - 1141 - 515	980 - R 68
	980 - R 70
VR1 - 1141 - 562	980 - R 61
VR1 - 1141 - 681	981 - R 10
VR1 - 1141 - 752	980 - R109
VR2 - 8035 - 393	112 - 20
VR4 - 0044 - 103	930 - RA117
VR4 - 0084 - 103	930 - RA108
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	930 - RA126
	930 - RA127
VR5 - 0043 - 011	980 - R 39
	980 - R 59
VR5 - 0981 - 001	981 - R 34
VR5 - 0981 - 303	981 - R 29
VR5 - 0982 - 002	981 - R 12
VR5 - 0983 - 242	981 - R 3
VR5 - 0985 - 761	981 - R 2
VR5 - 0989 - 531	981 - R 1
VR5 - 1010 - 100	910 - R844
VR5 - 1010 - 104	910 - R804
	910 - R805
	980 - R 63
VR5 - 2290 - 101	930 - R101
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VR5 - 2290 - 102	930 - R110
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VR5 - 2290 - 103	930 - R104
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VR5 - 2290 - 103	930 - R194
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VR5 - 2290 - 104	930 - R202
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VR5 - 2290 - 105	930 - R258
VR5 - 2290 - 123	930 - R390
VR5 - 2290 - 202	930 - R119
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PART NUMBER	FIGURE & KEY NO.
VR5 - 2290 - 202	930 - R291
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VR5 - 2290 - 203	930 - R273
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	930 - R319
VR5 - 2290 - 221	930 - R349
VR5 - 2290 - 223	930 - R114
	930 - R175
	930 - R176
	930 - R293
VR5 - 2290 - 332	930 - R323
VR5 - 2290 - 334	972 - R753
	973 - R753
VR5 - 2290 - 471	930 - R107
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VR5 - 2290 - 472	930 - R106
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VR5 - 2290 - 473	930 - R123
	930 - R330
	930 - R338

PART NUMBER	FIGURE & KEY NO.
VR5 - 2290 - 511	930 - R271
VR5 - 2290 - 560	930 - R346
VR5 - 2290 - 681	930 - R135
VR5 - 2410 - 101	910 - R803
VR5 - 2511 - 004	980 - R 34
	980 - R 35
VR5 - 2511 - 103	980 - R 97
VR5 - 2513 - 324	980 - R 92
	980 - R 93
	980 - R 94
VR5 - 3680 - 101	914 - R 26
	970 - R609
VR5 - 3680 - 102	914 - R 2
VR5 - 3680 - 103	914 - R 7
	914 - R 12
VR5 - 3680 - 104	914 - R 14
VR5 - 3680 - 272	914 - R 23
VR5 - 3680 - 273	914 - R 15
VR5 - 3680 - 470	914 - R 25
VR5 - 3680 - 472	970 - R606
	970 - R607
	970 - R608
VR5 - 4030 - 104	914 - R 17
VR5 - 4030 - 204	914 - R 17
VR5 - 4590 - 101	914 - R 20
VR5 - 5510 - 102	910 - R802
	910 - R811
	910 - R852
	910 - R856
	910 - R870
	910 - R871
VR5 - 5510 - 103	910 - R807
VR5 - 5510 - 104	910 - R819
VR5 - 5510 - 105	910 - R840
	910 - R853
	910 - R860
VR5 - 5510 - 122	910 - R872
VR5 - 5510 - 153	910 - R808
	910 - R824
	910 - R854
VR5 - 5510 - 162	910 - R841
VR5 - 5510 - 182	910 - R859
VR5 - 5510 - 223	910 - R815
VR5 - 5510 - 301	910 - R855
VR5 - 5510 - 331	910 - R873
VR5 - 5510 - 361	910 - R842
VR5 - 5510 - 470	910 - R874
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VR5 - 5510 - 471	910 - R878
VR5 - 5510 - 562	910 - R843
	910 - R877
VR5 - 6020 - 109	981 - R 15
	981 - R 19
VR5 - 6020 - 180	910 - R827
	910 - R828
	981 - R 20
VR5 - 6020 - 221	910 - R822
	910 - R823
VR5 - 6020 - 471	910 - R822
	910 - R823
VR5 - 6020 - 680	910 - R829
VR5 - 6030 - 204	914 - R 4
VR5 - 6030 - 330	910 - R826
VR5 - 6290 - 101	930 - R205
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PART NUMBER	FIGURE & KEY NO.
VR5 - 6290 - 101	930 - R247
	930 - R248
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VR5 - 6290 - 151	930 - R301
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	930 - R326
	930 - R327
VR5 - 6290 - 390	930 - R316
	930 - R317
	930 - R318
VR5 - 6300 - 100	930 - R369
VR5 - 6371 - 000	910 - R879
VR5 - 6371 - 001	910 - R848
VR5 - 6371 - 021	910 - R847
VR5 - 6372 - 202	910 - R809
	910 - R810
VR5 - 6372 - 701	910 - R851
VR5 - 6373 - 001	910 - R869
VR5 - 6373 - 092	910 - R850
VR5 - 6373 - 302	910 - R838
	910 - R839
	910 - R859
VR5 - 6373 - 600	910 - R812
	910 - R813
VR5 - 6374 - 300	910 - R812
	910 - R813
VR5 - 6375 - 109	910 - R814
VR5 - 6377 - 500	910 - R836
	910 - R837
VR5 - 6378 - 452	910 - R849
VR5 - 6411 - 004	970 - R603
VR5 - 6411 - 022	930 - R365
VR5 - 6411 - 211	970 - R605
VR5 - 6411 - 240	914 - R 10
VR5 - 6411 - 371	970 - R602
VR5 - 6412 - 001	930 - R120
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	930 - R214
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VR5 - 6412 - 202	914 - R 8
	914 - R 9
VR5 - 6413 - 011	970 - R601
VR5 - 6413 - 831	930 - R364
VR5 - 6414 - 993	972 - R751
	973 - R751
VR5 - 6415 - 100	972 - R752
	973 - R752
VR5 - 6418 - 872	970 - R604
VR5 - 6550 - 503	972 - VR751
	973 - VR751
VR5 - 6630 - 680	910 - R830
	910 - R831
VR5 - 6870 - 100	914 - R 13
	980 - R 47
	980 - R 54
	980 - R 55
VR5 - 6870 - 101	914 - R 11
VR5 - 6870 - 220	910 - R817
	910 - R818
VR5 - 6870 - 330	914 - R 16
VR5 - 7710 - 103	981 - VR 1
VR5 - 7790 - 152	210 - 44
VR5 - 7960 - 223	914 - R 5
VR5 - 7960 - 331	914 - R 6
VR5 - 7960 - 473	914 - R 4
VR5 - 7960 - 681	914 - R 24
VR5 - 7960 - 823	914 - R 5
VR5 - 8280 - 104	910 - R806
VR5 - 8280 - 683	910 - R806
	910 - R820
VR5 - 9161 - 303	930 - R347
VR5 - 9161 - 609	930 - R321
VR5 - 9162 - 262	930 - R115
	930 - R121
	930 - R143
	930 - R150
	930 - R151
	930 - R155

PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.
VR5 – 9162 – 262	930 – R209	VS1 – 0192 – 002	B – J 32	VS1 – 5328 – 022	930 – J111
	930 – R210		B – J 35		930 – J114
VR5 – 9162 – 321	930 – R342		B – J 37	VS1 – 5328 – 026	930 – J103
VR5 – 9162 – 492	930 – R165		B – J 44	VS1 – 5328 – 028	930 – J102
VR5 – 9162 – 612	930 – R140		B – J 49		930 – J109
	930 – R141		B – J 59		930 – J110
	930 – R142		B – J 61	VS1 – 5414 – 003	910 – J804
	930 – R144		B – J 65	VS3 – 0044 – 002	B – J806
	930 – R145		B – J 75	VS3 – 0044 – 003	B – J653
	930 – R147		B – J 76	VS3 – 0044 – 004	B – J106
	930 – R148		B – J 77		B – J401
	930 – R152		B – J 78		B – J807
	930 – R153	VS1 – 0192 – 003	B – J 23	VS3 – 0044 – 005	B – J801
	930 – R154		B – J 24	VS3 – 0044 – 006	B – J452
	930 – R156		B – J 26	VS3 – 0044 – 007	B – J451
	930 – R182		B – J 34		B – J804
	930 – R368		B – J 45		B – J811
	930 – R371		B – J 56	VS3 – 0044 – 008	B – J105
VR5 – 9163 – 002	930 – R149		B – J 82		B – J805
	930 – R159		B – J 90	VS3 – 0044 – 010	B – J453
	930 – R160		B – J 91	VS3 – 0045 – 009	B – J802
	930 – R185		B – J657	VS3 – 0053 – 002	B – J 9
	930 – R186	VS1 – 0192 – 004	B – J 29B		B – J 22
	930 – R187		B – J658	VS3 – 0108 – 003	B – J 60
	930 – R188	VS1 – 0192 – 005	B – J 53	VS3 – 5008 – 034	B – J112
	930 – R190	VS1 – 0192 – 006	B – J 51		B – J119
VR5 – 9163 – 302	930 – R161		B – J 81		B – J150
VR5 – 9163 – 602	930 – R196	VS1 – 0192 – 009	B – J651	VS3 – 5009 – 003	B – J 69
	930 – R367	VS1 – 0203 – 014	B – J113	VS4 – 0001 – 001	B – J 83
	930 – R370	VS1 – 0269 – 005	910 – J802	VS4 – 0001 – 002	B – J 5
VR5 – 9164 – 642	930 – R195	VS1 – 0447 – 014	930 – J113		B – J 6
VR5 – 9164 – 992	930 – R158	VS1 – 0477 – 006	980 – SW 1		B – J 7
	930 – R164	VS1 – 0582 – 006	B – J 46	VS4 – 0001 – 004	B – J 38
VR5 – 9166 – 651	930 – R340	VS1 – 0842 – 003	B – J 28	VS4 – 0002 – 002	B – J 5
VR5 – 9168 – 251	930 – R306		B – J 48		B – J 6
VR7 – 0550 – 101	914 – R 3		B – J 63		B – J 7
	914 – R 21		B – J 64		B – J 8
	914 – R 22		B – J 68		B – J 33
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VR7 – 0560 – 390	910 – R816		B – J 71	VS4 – 0002 – 004	B – J 38
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FA3 – 3898 – 000	Z40 – 30	FA5 – 3505 – 000	Z41 – 15	FS3 – 0040 – 000	Z42 – 4
FA3 – 8719 – 000	Z10 – 1	FA5 – 3507 – 000	Z41 – 21	FS3 – 0076 – 000	Z40 – 27
FA3 – 8727 – 000	Z41 – 34	FA5 – 3508 – 000	Z41 – 52	FS3 – 0077 – 000	Z41 – 24
FA3 – 8729 – 000	Z41 – 59	FA5 – 3510 – 000	Z42 – 17	FS3 – 0078 – 000	Z42 – 6
FA3 – 8730 – 000	Z41 – 57	FA5 – 3514 – 000	Z40 – 11	FS3 – 0080 – 000	Z42 – 21
FA3 – 8987 – 000	Z42 – 7	FA5 – 3515 – 000	Z42 – 36	FS3 – 0101 – 000	Z41 – 50
FA5 – 2819 – 030	Z41 – 69	FA9 – 1978 – 000	Z10 – 19		Z42 – 20
FA5 – 2820 – 020	Z41 – 87	FA9 – 1979 – 000	Z10 – 18	FS3 – 0104 – 000	Z42 – 24
FA5 – 2837 – 000	Z41 – 73	FA9 – 2484 – 000	Z40 – 6	FS3 – 2008 – 000	Z41 – 58
FA5 – 2838 – 020	Z41 – 88	FA9 – 2609 – 000	Z41 – 79	FS3 – 2011 – 000	Z41 – 13
FA5 – 2839 – 000	Z40 – 29	FA9 – 2610 – 000	Z41 – 77	FS3 – 2012 – 000	Z41 – 68
FA5 – 2844 – 000	Z41 – 27	FA9 – 2760 – 000	Z41 – 65	FS3 – 2013 – 000	Z42 – 31
FA5 – 2845 – 000	Z41 – 53	FB1 – 5918 – 000	Z40 – 2	FS3 – 2014 – 000	Z40 – 28
FA5 – 2847 – 000	Z41 – 28	FB1 – 6135 – 000	Z10 – 2	FS3 – 2015 – 000	Z40 – 10
FA5 – 2849 – 000	Z41 – 43	FB1 – 6136 – 000	Z10 – 3	FS3 – 2044 – 000	Z10 – 16
FA5 – 2850 – 000	Z41 – 42	FC1 – 3321 – 000	Z10 – 10	FS3 – 2048 – 000	Z40 – 23
FA5 – 2851 – 000	Z41 – 36	FC1 – 3322 – 000	Z41 – 97A	FS4 – 8043 – 000	Z40 – 35
FA5 – 2852 – 000	Z41 – 40	FC1 – 3325 – 000	Z40 – 1	FS4 – 8044 – 020	Z40 – 36
FA5 – 2853 – 000	Z41 – 32	FC1 – 5144 – 000	Z10 – 17	PCB	Z B – J 6
FA5 – 2854 – 020	Z41 – 98A	FF2 – 0088 – 000	Z41 – 66		Z B – J 7
	Z41 – 99A	FF2 – 0089 – 000	Z41 – 85		Z B – J 8
FA5 – 2856 – 020	Z41 – 49	FF2 – 0091 – 000	Z42 – 33		Z B – J801
FA5 – 2857 – 000	Z41 – 62	FF2 – 0437 – 000	Z42 – 23		Z B – J802
FA5 – 2858 – 000	Z41 – 84	FF2 – 0438 – 000	Z42 – 18		Z B – J803
FA5 – 2860 – 000	Z41 – 82	FF2 – 0441 – 000	Z40 – 34		Z B – J804
FA5 – 2861 – 000	Z41 – 83	FF2 – 0443 – 000	Z40 – 19		Z B – J805
FA5 – 2862 – 000	Z41 – 81	FF2 – 0444 – 000	Z40 – 9		Z B – J806
FA5 – 2864 – 020	Z41 – 61	FF2 – 0446 – 000	Z40 – 8	VC1 – 2351 – 106	Z90 – C806
FA5 – 2865 – 000	Z41 – 56	FF2 – 0451 – 000	Z40 – 33	VC1 – 2351 – 107	Z90 – C801
FA5 – 2866 – 000	Z41 – 63	FF2 – 0453 – 000	Z40 – 20	VC4 – 4504 – 103	Z90 – C804
FA5 – 2868 – 000	Z41 – 55	FF2 – 0903 – 000	Z10 – 13		Z90 – C805
FA5 – 2869 – 000	Z41 – 67	FF2 – 1451 – 000	Z40 – 21		Z90 – C807
FA5 – 2870 – 000	Z41 – 86	FF9 – 1003 – 000	Z41 – 98	VR1 – 1141 – 102	Z90 – R833
FA5 – 2872 – 000	Z41 – 46	FF9 – 1091 – 020	Z10 – 20	VR1 – 1141 – 103	Z90 – R826
FA5 – 2873 – 000	Z41 – 12	FF9 – 1093 – 050	Z41 – 48		Z90 – R827
FA5 – 2874 – 000	Z41 – 16	FF9 – 1113 – 000	Z41 – 99		Z90 – R828
FA5 – 2875 – 000	Z41 – 17	FG1 – 8138 – 000	Z90 –		Z90 – R829
FA5 – 2876 – 000	Z41 – 45	FG2 – 4004 – 000	Z41 – 97		Z90 – R830
FA5 – 2877 – 000	Z41 – 71	FG2 – 4006 – 090	Z40 –	VR1 – 1141 – 472	Z90 – R819
FA5 – 2878 – 000	Z41 – 70		Z41 –		Z90 – R820
FA5 – 2879 – 000	Z41 – 76		Z42 –		Z90 – R823
FA5 – 2880 – 000	Z41 – 74	FH2 – 5822 – 000	Z B – J 70		Z90 – R824
FA5 – 2887 – 000	Z40 – 4	FH2 – 5826 – 000	Z B – J 70	VR5 – 0820 – 101	Z90 – R834
FA5 – 2888 – 020	Z40 – 3	FH2 – 5828 – 000	Z B – J 70	VS1 – 0025 – 003	Z90 – J805
FA5 – 2909 – 000	Z42 – 29	FH6 – 3201 – 000	Z41 – 92	VS1 – 0044 – 003	Z B – J805
FA5 – 2914 – 000	Z41 – 7	FH7 – 1584 – 000	Z41 – 80	VS1 – 0192 – 002	Z B – J 2
FA5 – 2915 – 000	Z41 – 8	FH7 – 1589 – 000	Z42 – 22	VS1 – 0192 – 003	Z B – J 68
FA5 – 2916 – 000	Z41 – 3	FH7 – 5108 – 000	Z42 – 37	VS1 – 0192 – 004	Z B – J806
FA5 – 2917 – 000	Z41 – 10	FH7 – 5154 – 000	Z42 – 10	VS1 – 0192 – 005	Z B – J803
FA5 – 2918 – 000	Z41 – 11	FH7 – 5264 – 000	Z41 – 1	VS1 – 0192 – 006	Z B – J 58
FA5 – 2919 – 000	Z41 – 9		Z42 – 27		Z B – J 63
FA5 – 2921 – 020	Z41 – 64	FH7 – 6113 – 000	Z10 – 14	VS1 – 0192 – 007	Z B – J804
FA5 – 2922 – 000	Z41 – 44	FH7 – 7155 – 000	Z40 – 22	VS1 – 0379 – 028	Z90 – J801
FA5 – 2924 – 000	Z41 – 75		Z41 – 33	VS1 – 0440 – 003	Z B – J 7
FA5 – 2927 – 000	Z41 – 96	FS1 – 0422 – 000	Z41 – 22		Z B – J 10
FA5 – 2928 – 000	Z41 – 95	FS1 – 1187 – 000	Z41 – 54	VS1 – 0440 – 004	Z B – J 8
FA5 – 2930 – 000	Z41 – 18	FS1 – 1202 – 000	Z41 – 23	VS1 – 0440 – 009	Z B – J 6
FA5 – 2931 – 000	Z41 – 48A		Z42 – 1		Z B – J 9
	Z41 – 94	FS1 – 1206 – 000	Z41 – 14	VS1 – 0441 – 028	Z B – J801
FA5 – 2933 – 020	Z41 – 30	FS1 – 1446 – 000	Z42 – 38	VS1 – 0831 – 007	Z90 – J802
FA5 – 3181 – 000	Z10 – 4	FS1 – 1449 – 000	Z42 – 3	VS1 – 0842 – 003	Z B – J 64
FA5 – 3182 – 000	Z10 – 5	FS1 – 1465 – 000	Z40 – 24		Z B – J 65
FA5 – 3184 – 000	Z10 – 6	FS1 – 2370 – 000	Z40 – 25		Z B – J 66
FA5 – 3406 – 000	Z40 – 26	FS1 – 2651 – 000	Z42 – 8		Z B – J 67
FA5 – 3441 – 000	Z42 – 13	FS1 – 2707 – 000	Z41 – 78	VS1 – 0842 – 007	Z B – J802
FA5 – 3460 – 000	Z10 – 7	FS1 – 9076 – 000	Z40 – 7	VS1 – 0867 – 006	Z B – J 59
FA5 – 3474 – 000	Z10 – 8	FS2 – 0485 – 000	Z42 – 12	VS4 – 0003 – 002	Z B – J 3
FA5 – 3475 – 000	Z10 – 9	FS2 – 0544 – 000	Z42 – 14	VS4 – 0003 – 006	Z B – J 63
FA5 – 3477 – 000	Z10 – 11	FS2 – 1005 – 000	Z41 – 29	VT2 – 0006 – 004	Z41 – 91
FA5 – 3478 – 020	Z10 – 12	FS2 – 1006 – 000	Z41 – 20	WA1 – 0474 – 000	Z90 – D801
FA5 – 3483 – 000	Z41 – 26	FS2 – 1008 – 000	Z41 – 72		Z90 – D802
FA5 – 3484 – 000	Z40 – 13	FS2 – 1013 – 000	Z41 – 51	WA1 – 1037 – 000	Z90 – ZD802
FA5 – 3485 – 000	Z41 – 47	FS2 – 3003 – 000	Z41 – 31		Z90 – ZD803
FA5 – 3486 – 000	Z40 – 14	FS2 – 3004 – 000	Z41 – 38		Z90 – ZD804
FA5 – 3487 – 000	Z40 – 15	FS2 – 3006 – 000	Z42 – 25		Z90 – ZD805
FA5 – 3488 – 000	Z40 – 16	FS2 – 3007 – 000	Z42 – 15	WA1 – 1070 – 000	Z90 – ZD806
FA5 – 3489 – 000	Z40 – 17	FS2 – 6001 – 000	Z41 – 37	WA2 – 0237 – 000	Z90 – Q831
FA5 – 3490 – 000	Z40 – 18	FS2 – 6003 – 000	Z41 – 41	WA2 – 0285 – 000	Z90 – Q821
FA5 – 3494 – 000	Z41 – 90	FS2 – 6009 – 000	Z42 – 19		Z90 – Q825
FA5 – 3496 – 000	Z41 – 89	FS2 – 6010 – 000	Z42 – 16	WA2 – 0775 – 000	Z90 – Q826
FA5 – 3497 – 000	Z42 – 11	FS2 – 9002 – 000	Z10 – 15		Z90 – Q827
FA5 – 3499 – 000	Z41 – 2	FS3 – 0023 – 000	Z41 – 60		Z90 – Q828
FA5 – 3501 – 000	Z41 – 6	FS3 – 0029 – 000	Z41 – 19		Z90 – Q829
FA5 – 3502 – 000	Z41 – 25	FS3 – 0030 – 000	Z42 – 34		Z90 – Q830

PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.	PART NUMBER	FIGURE & KEY NO.
WA2 – 0836 – 000	Z90 – Q820				
	Z90 – Q824				
WA2 – 0991 – 000	Z90 – Q813				
	Z90 – Q814				
	Z90 – Q815				
	Z90 – Q816				
	Z90 – Q817				
WC4 – 0134 – 000	Z40 – 31				
WS3 – 0421 – 000	Z90 – J806				
WS3 – 0422 – 000	Z90 – J803				
WS3 – 0424 – 000	Z90 – J804				
WS3 – 0885 – 000	Z B – J 3				
	Z B – J 63				
WT2 – 0400 – 000	Z41 – 93				
	Z42 – 35				
X65 – 5032 – 000	Z90 – D803				
	Z90 – D804				
XA9 – 0135 – 000	Z40 – 5				
	Z41 – 5				
XB1 – 2301 – 409	Z40 – 32				
XD9 – 0037 – 000	Z41 – 4				
	Z42 – 30				
XF9 – 0094 – 000	Z41 – 39				
XF9 – 0215 – 000	Z42 – 26				